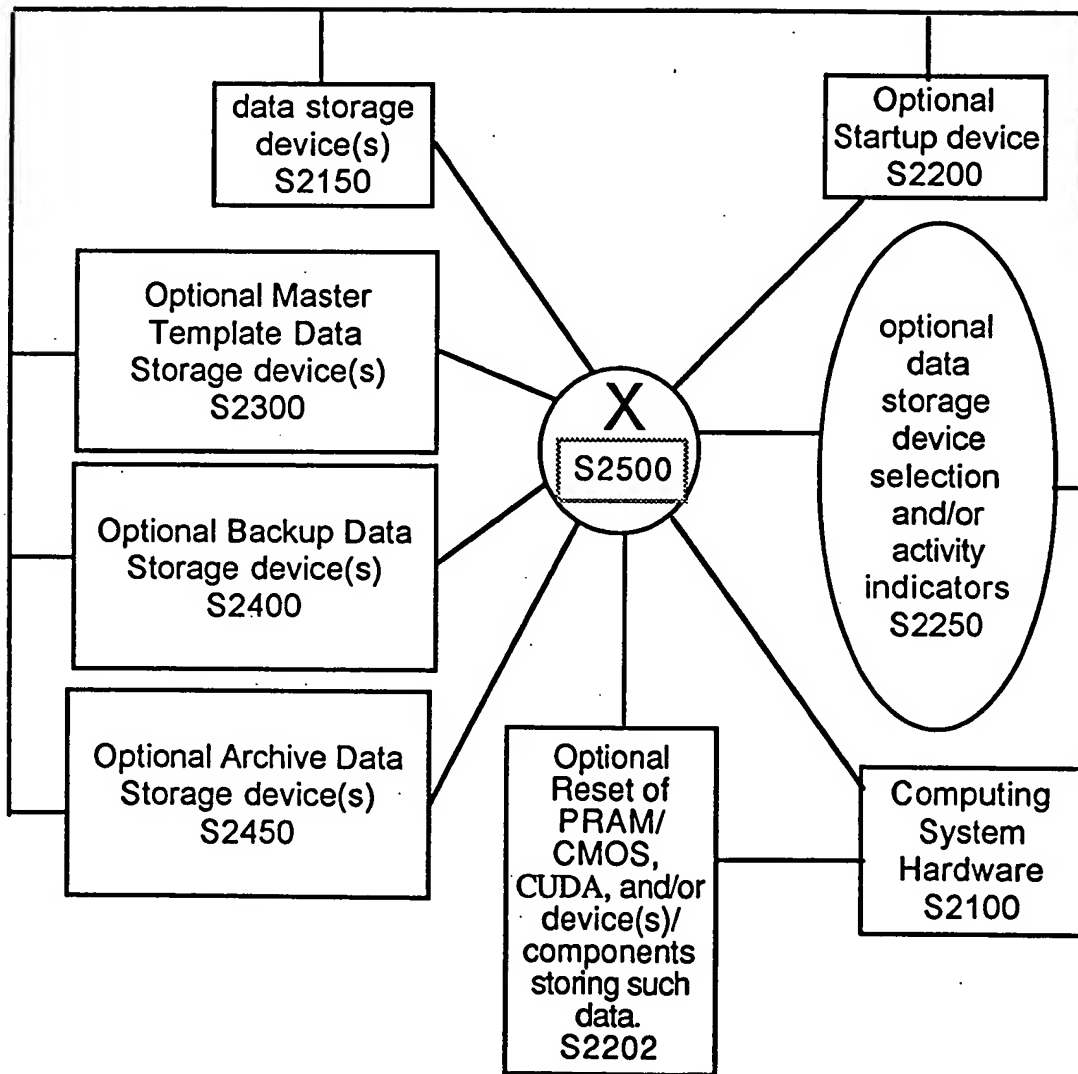
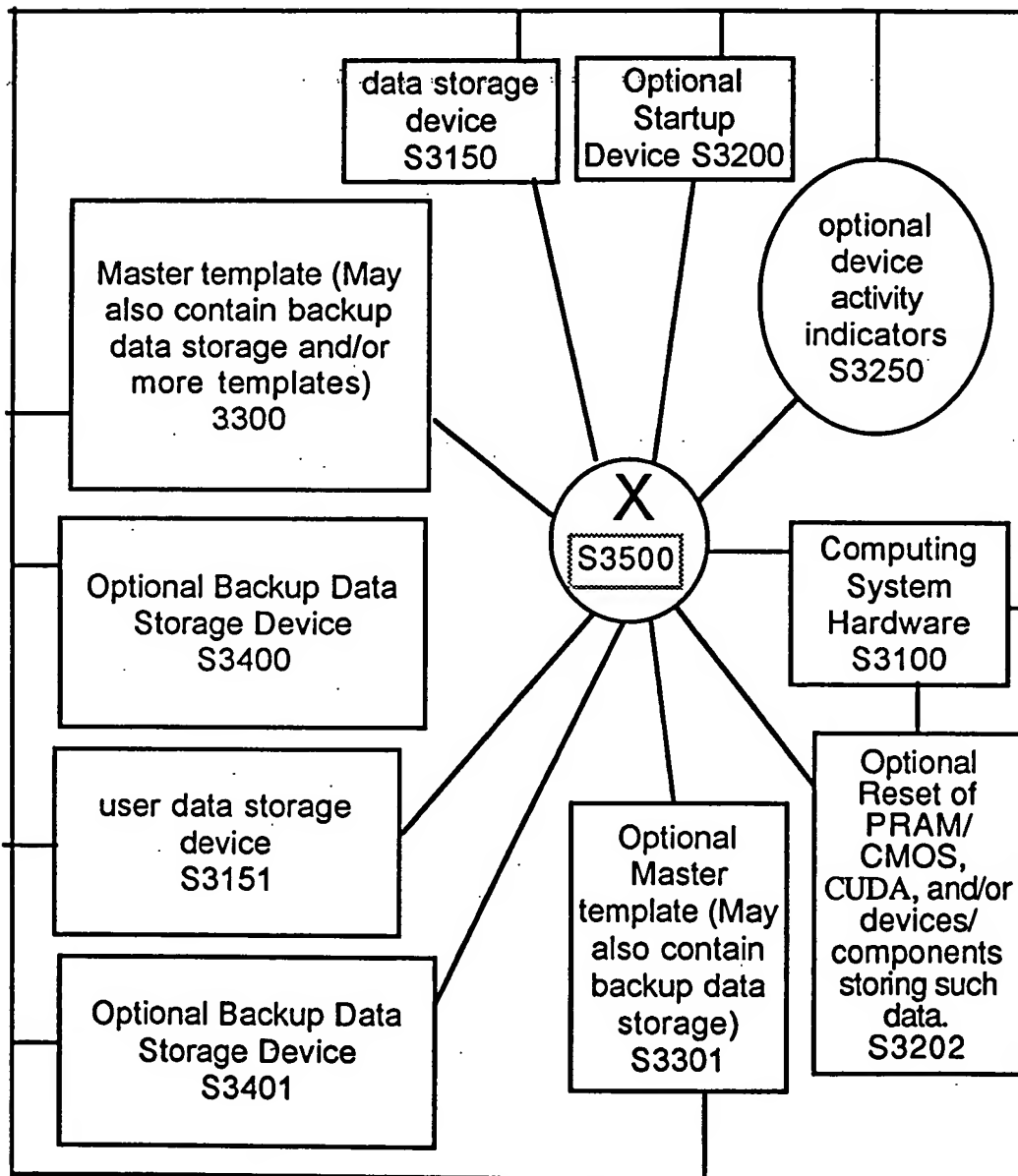
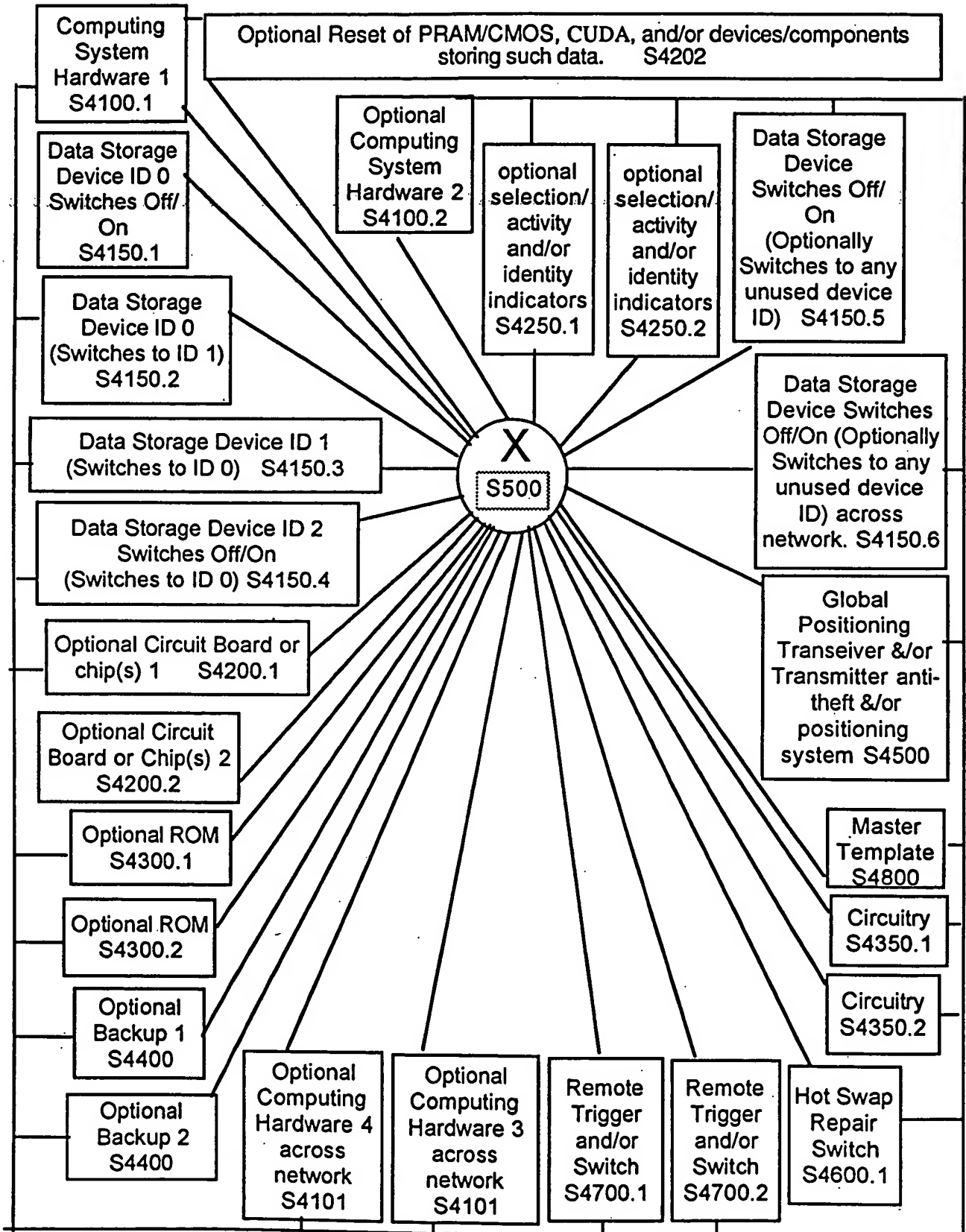


132

Figure S2



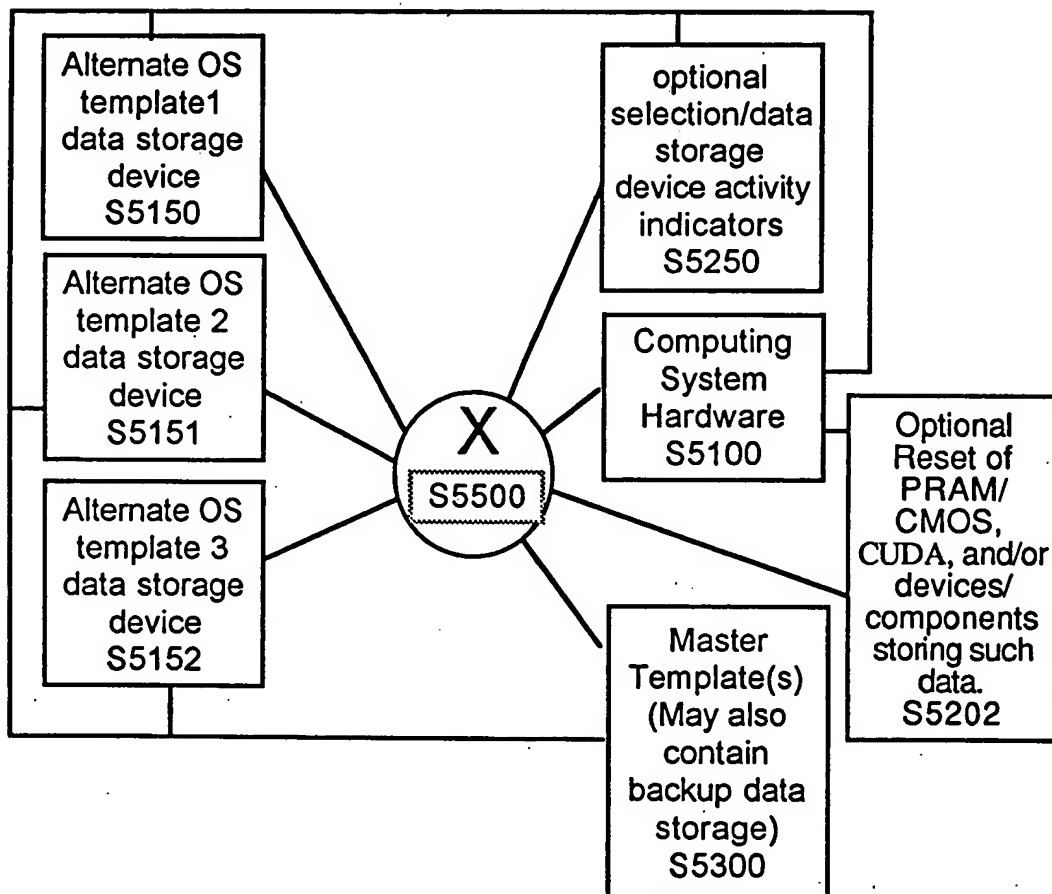


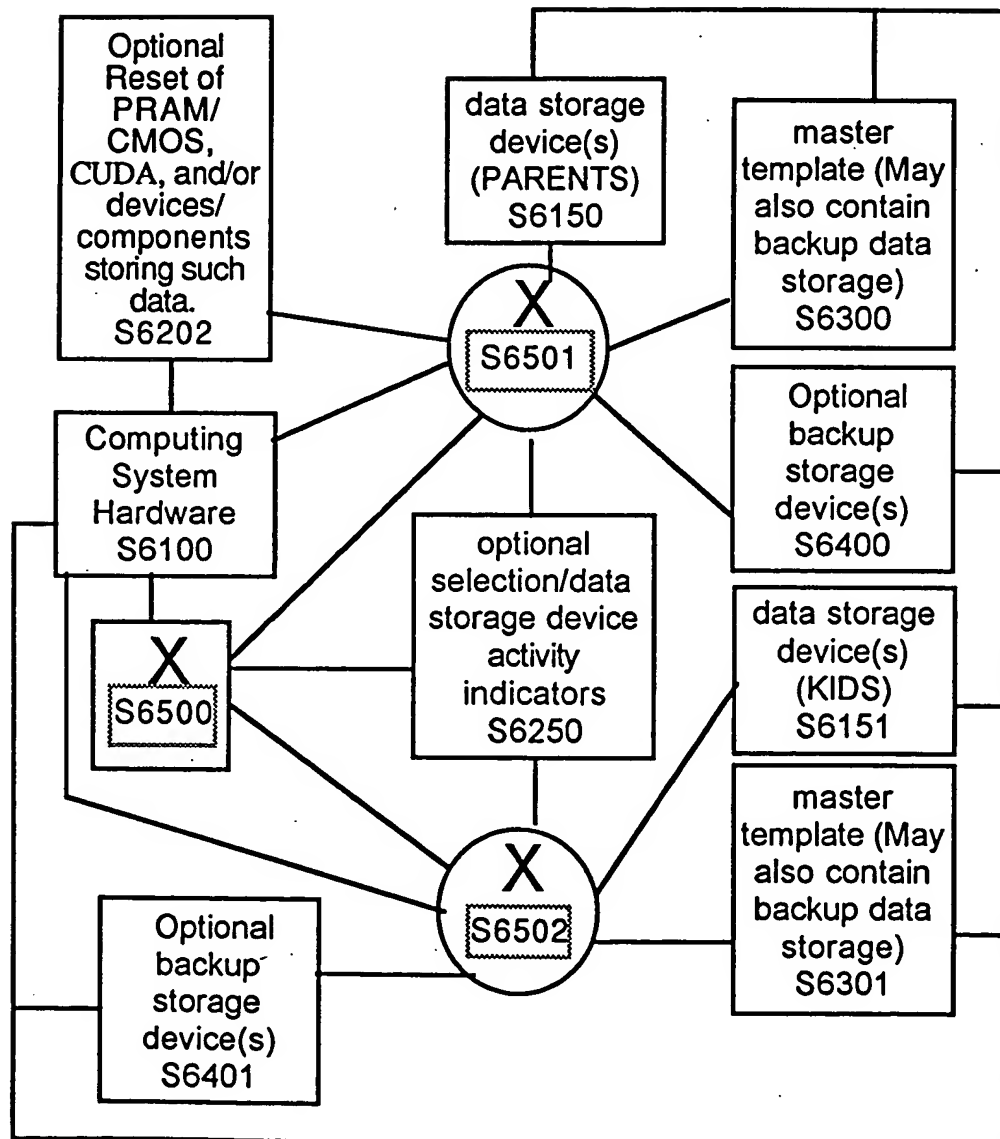


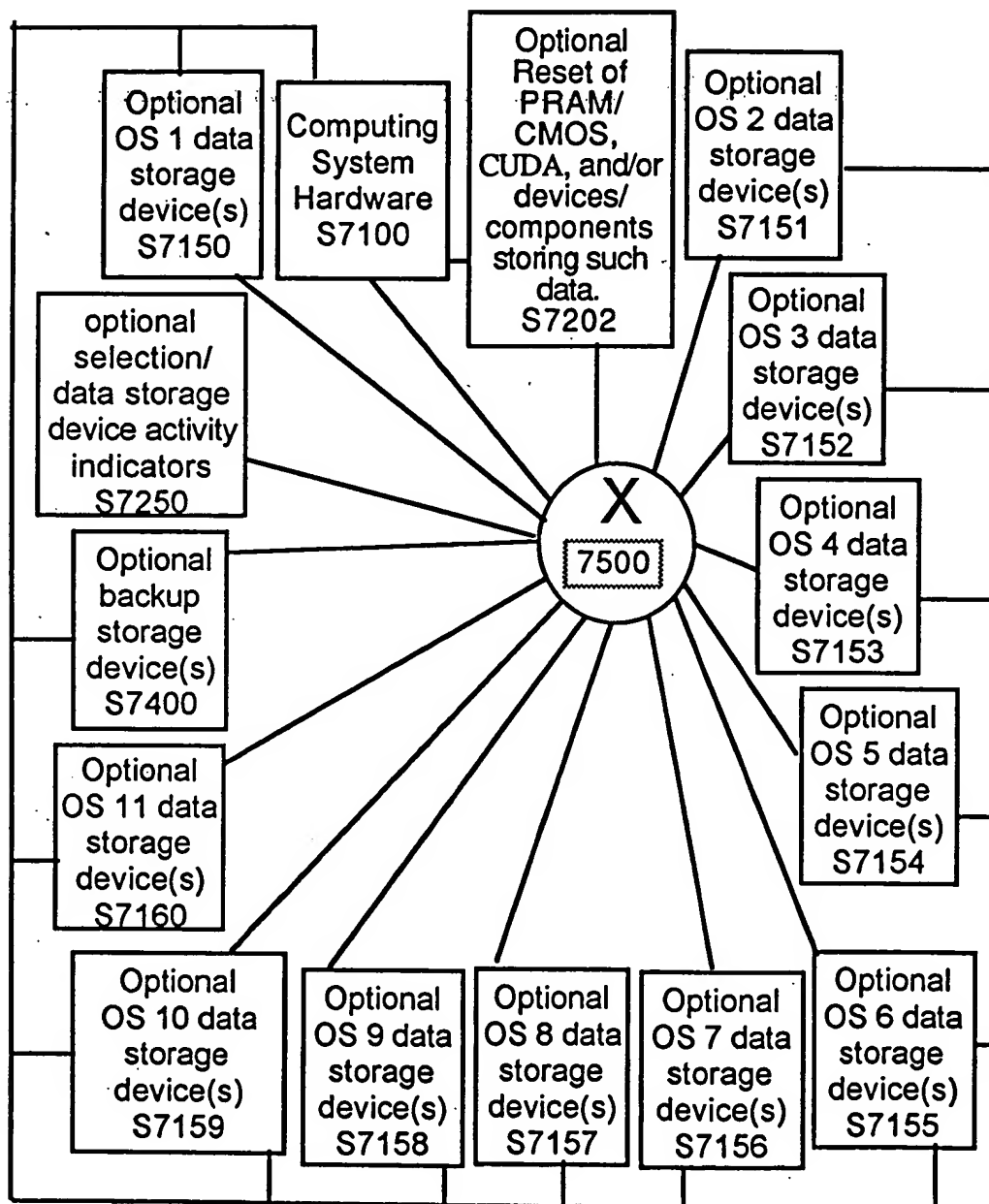


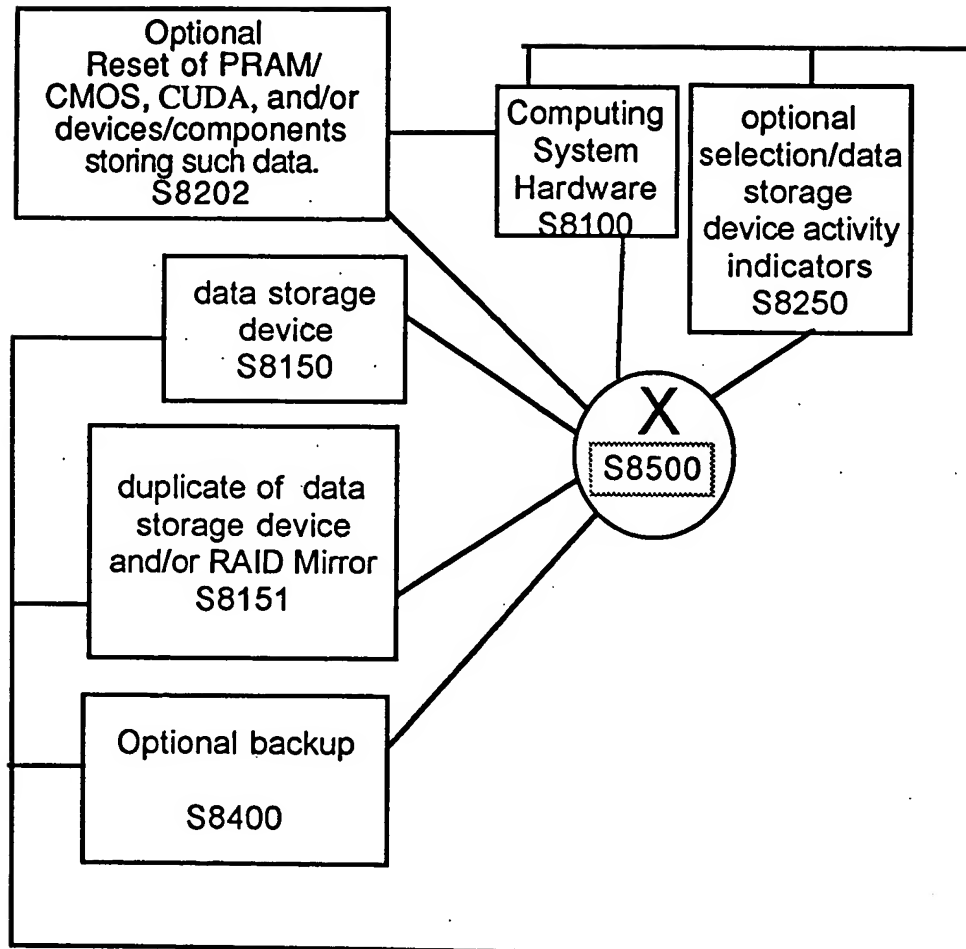
Sheet of

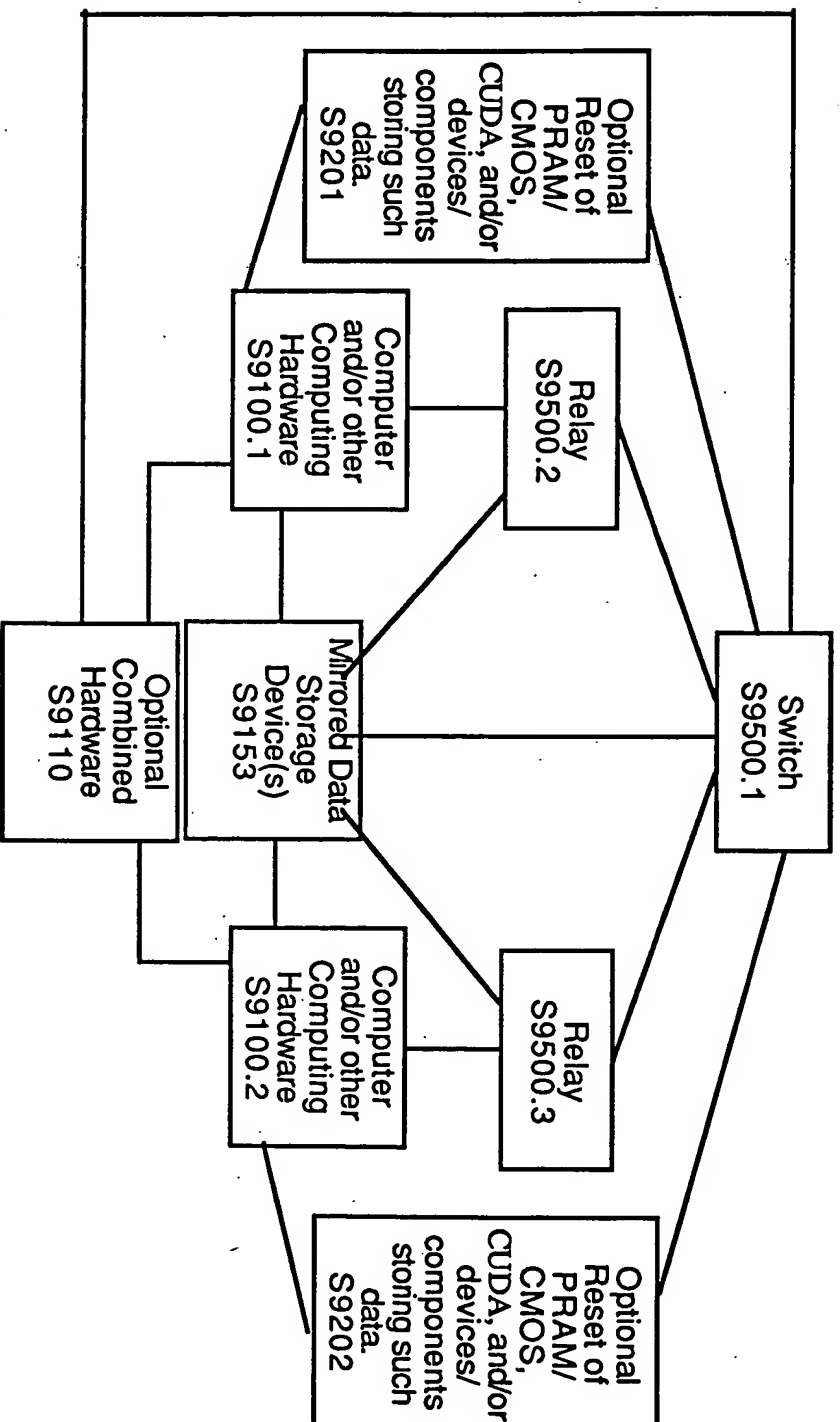
Figure S5

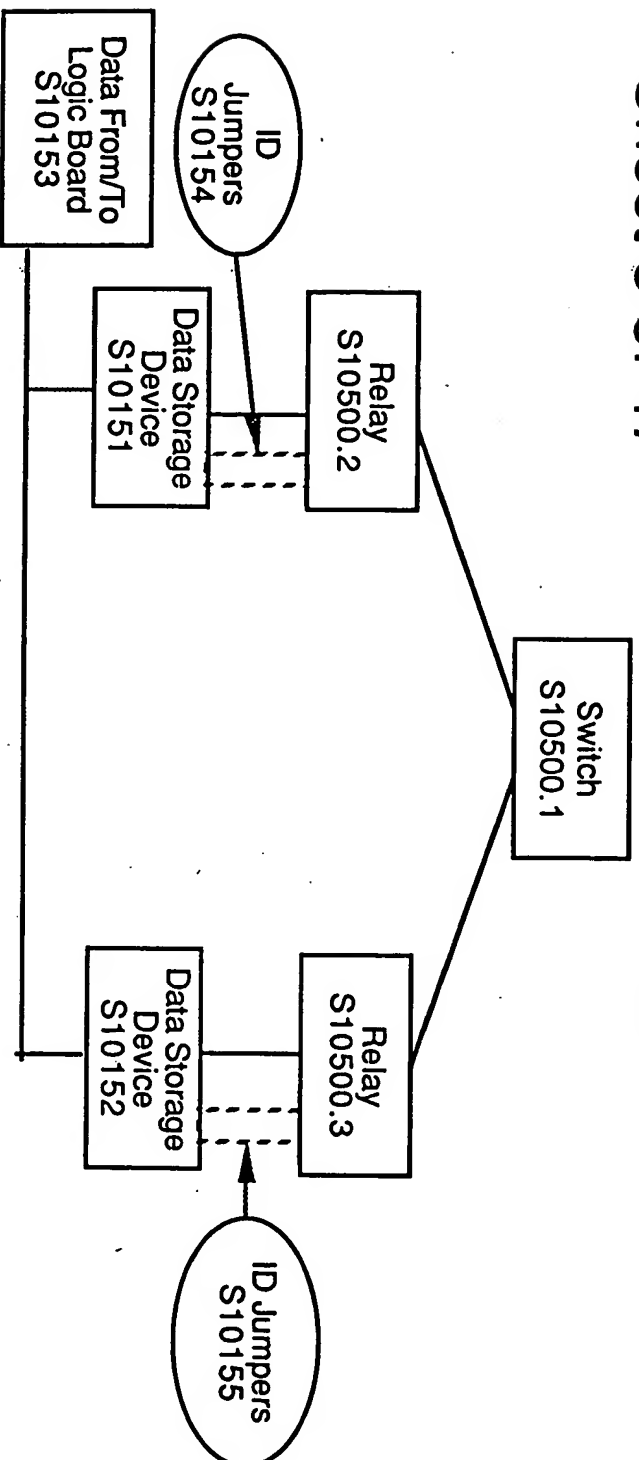




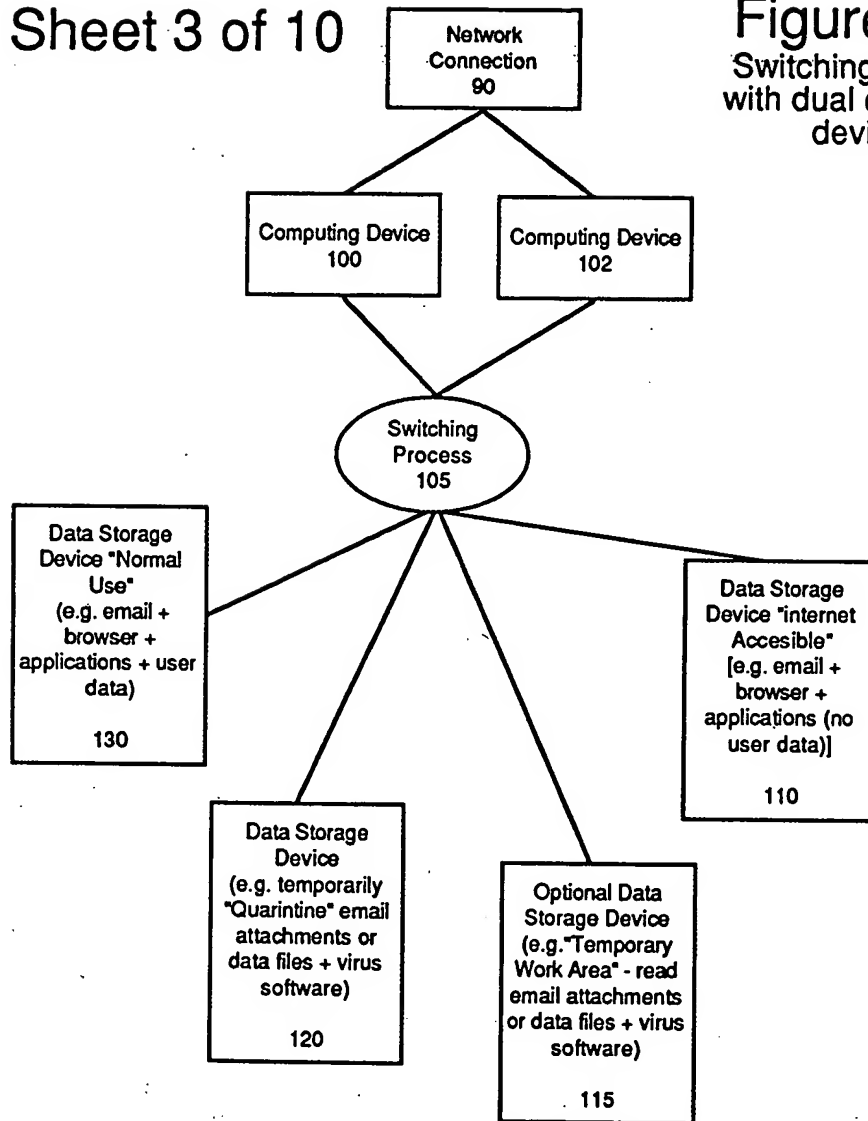


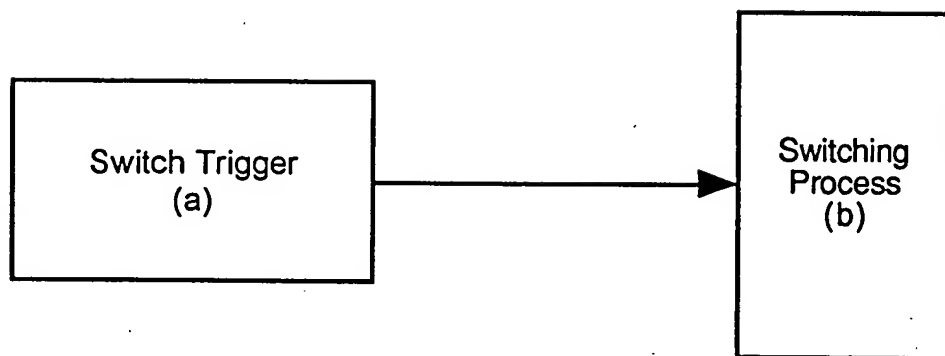




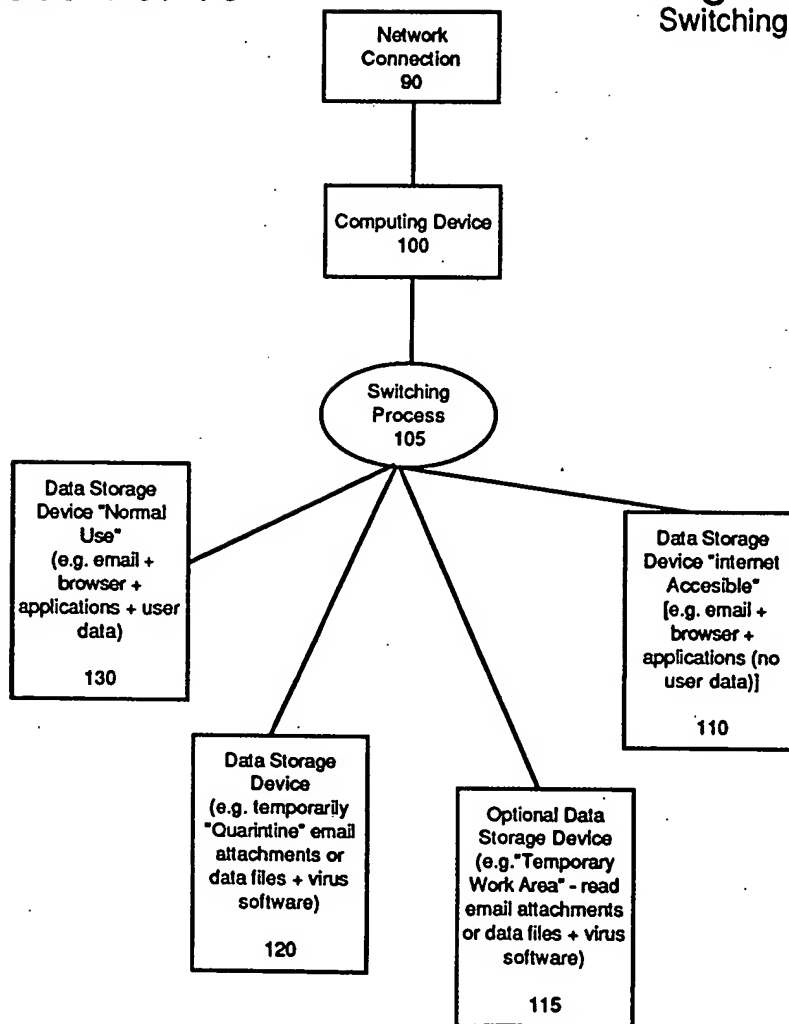


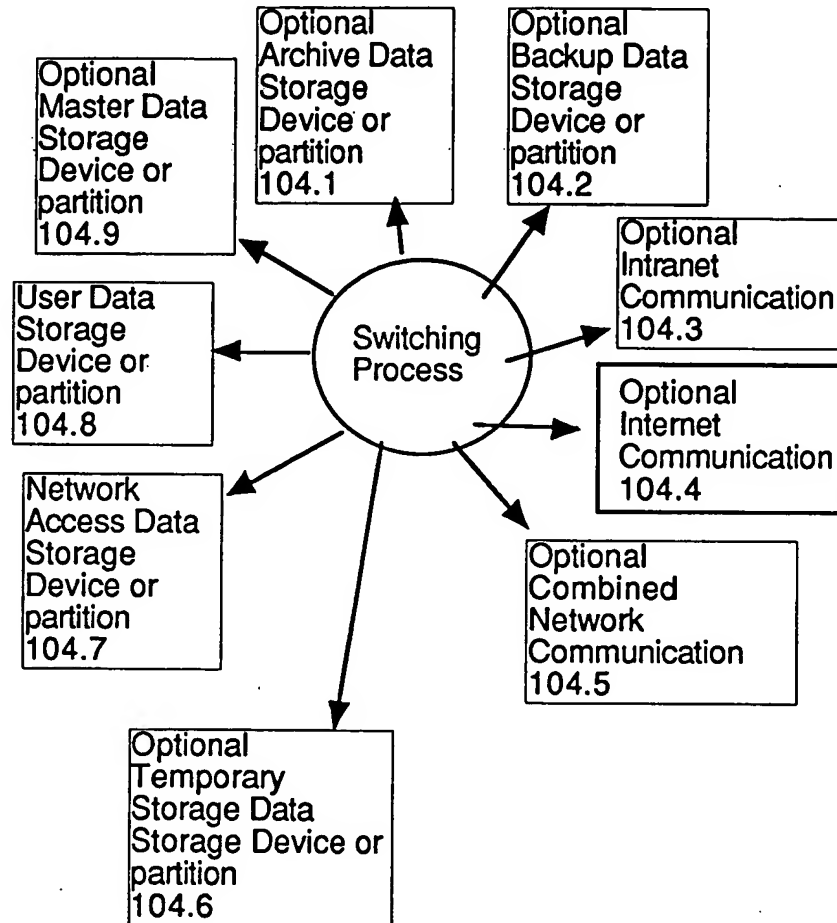
**Figure S11**  
Switching Process  
with dual computing  
devices











Hacking and Virus Proof Computing Device 104.10

Figure S18

Sheet of

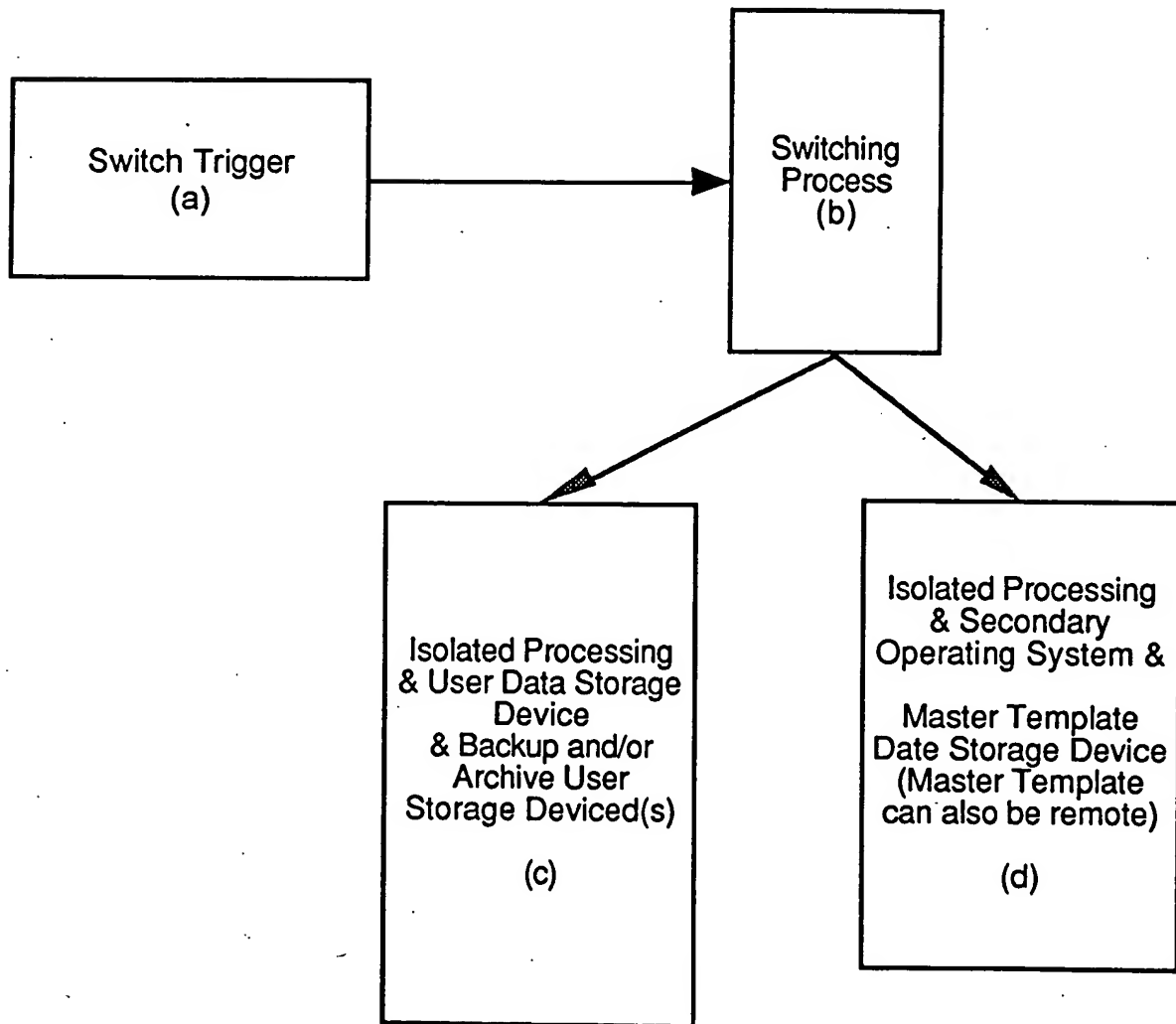
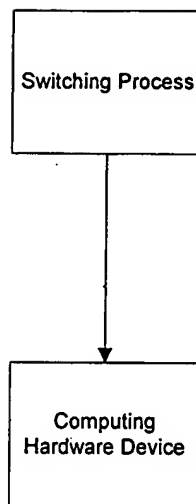
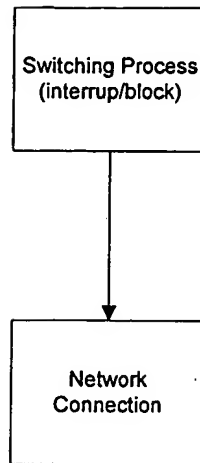


Figure S19



# Figure S20



# Figure S21

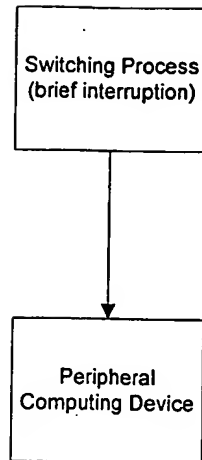


Figure S22 Anti-Virus with shared computing device

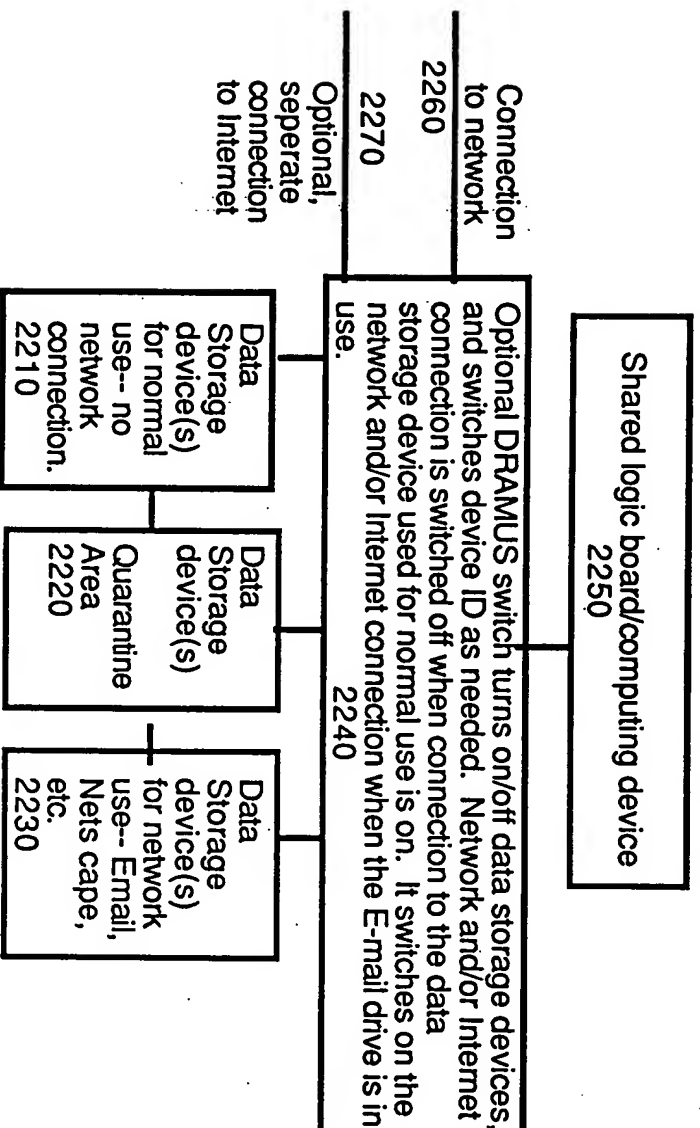
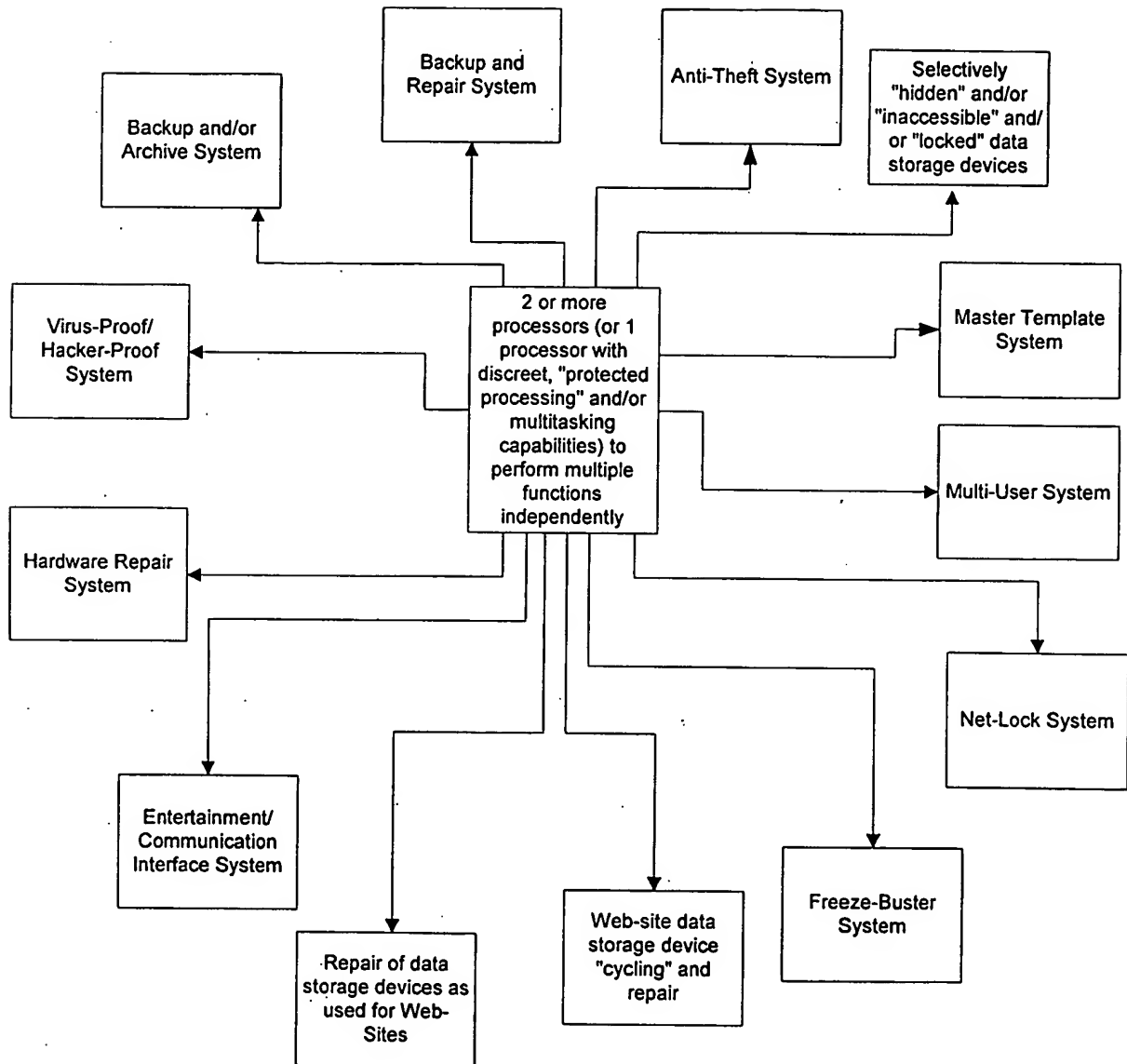


FIGURE S23





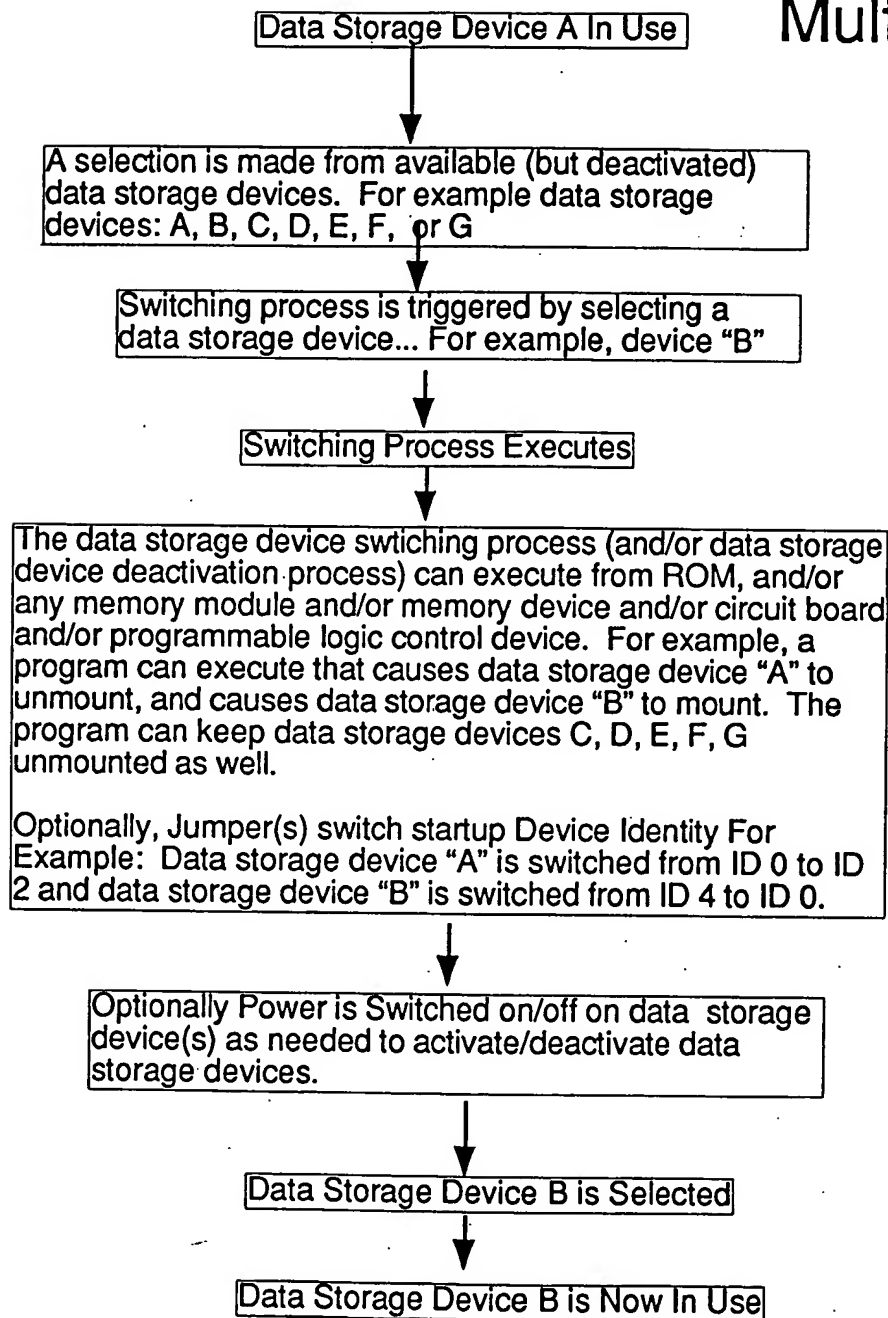


Figure F31

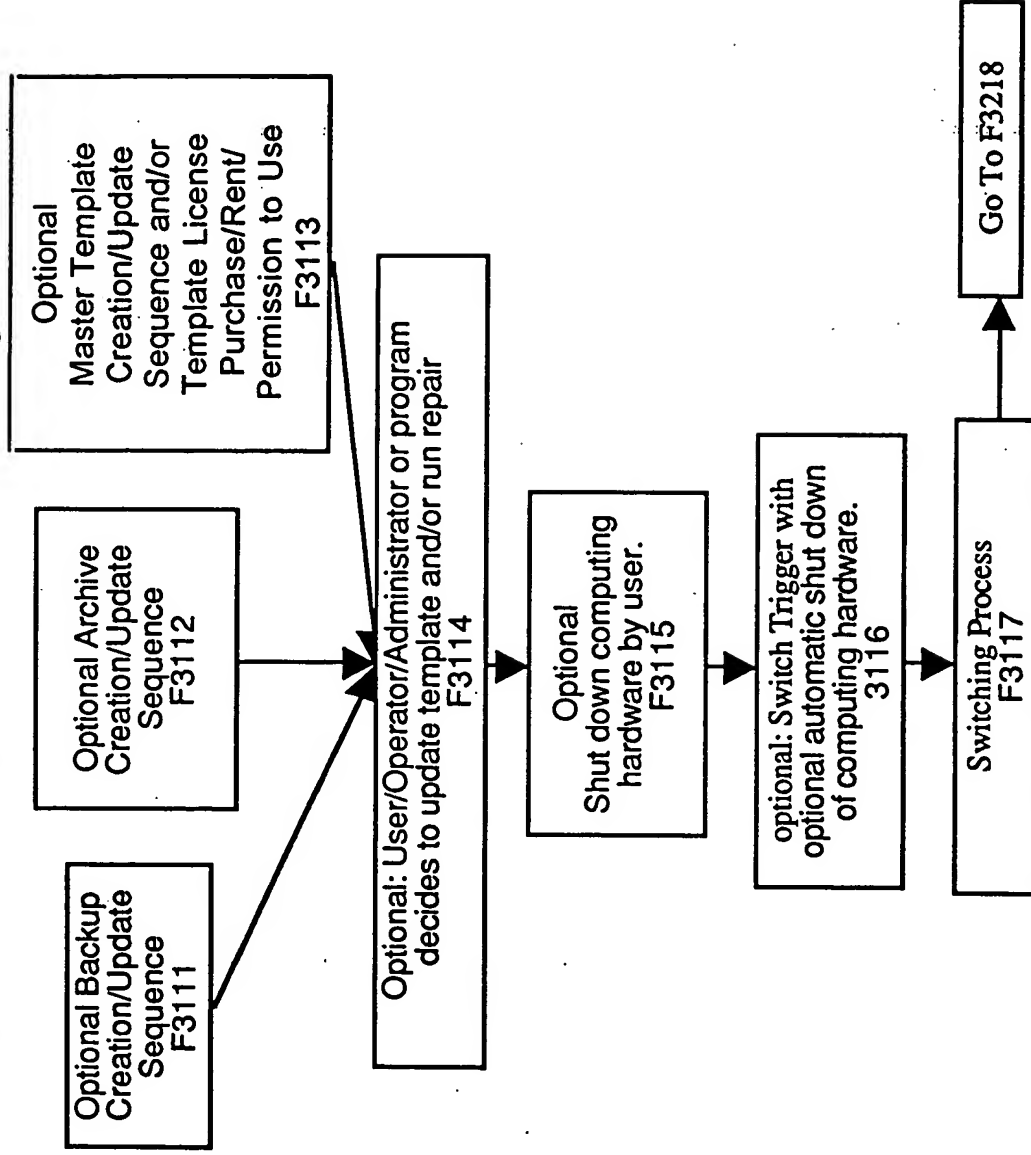


Figure F32

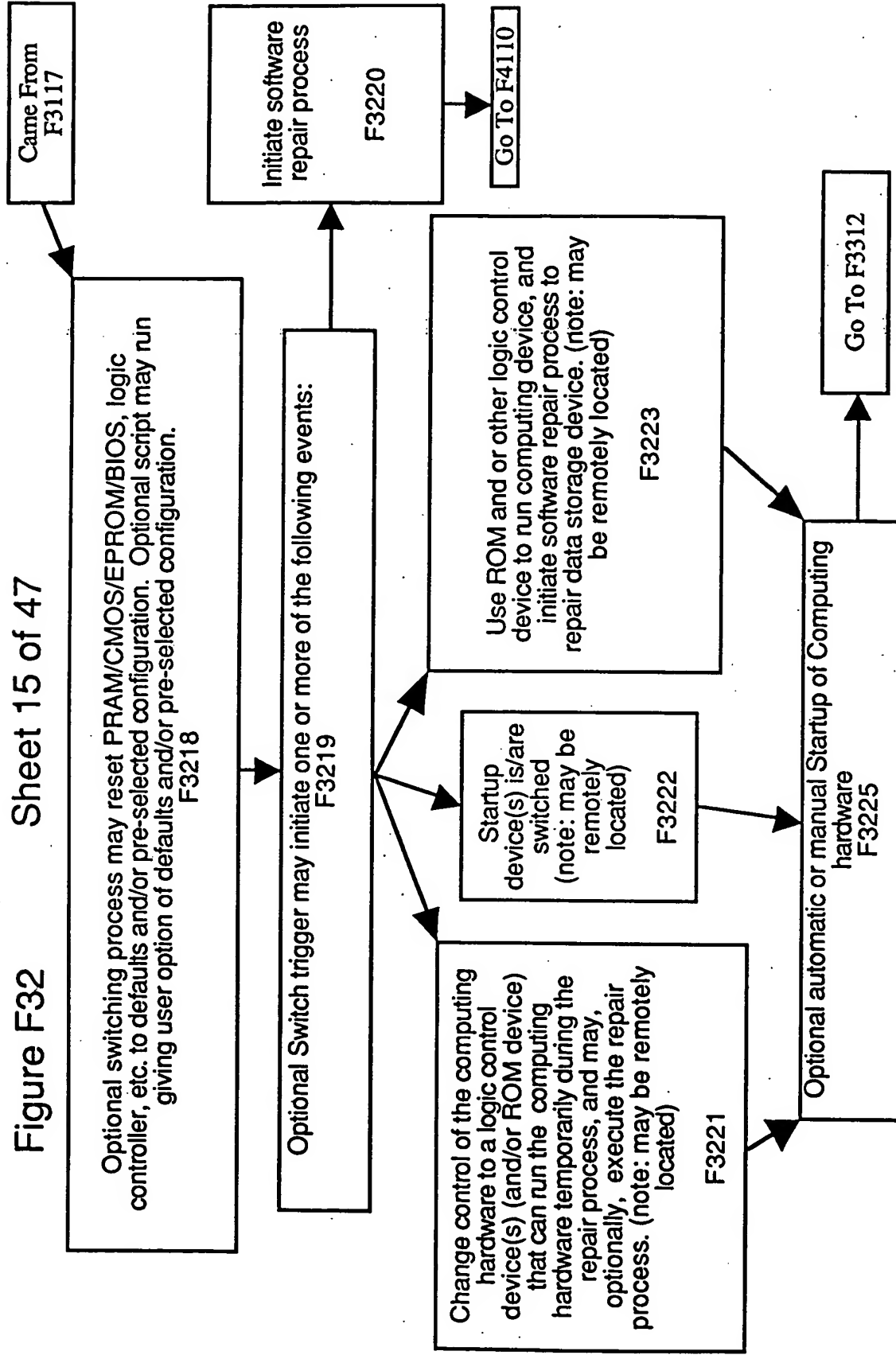


Figure F33

Came From  
F3220 & F3221

Sheet 16 of 47

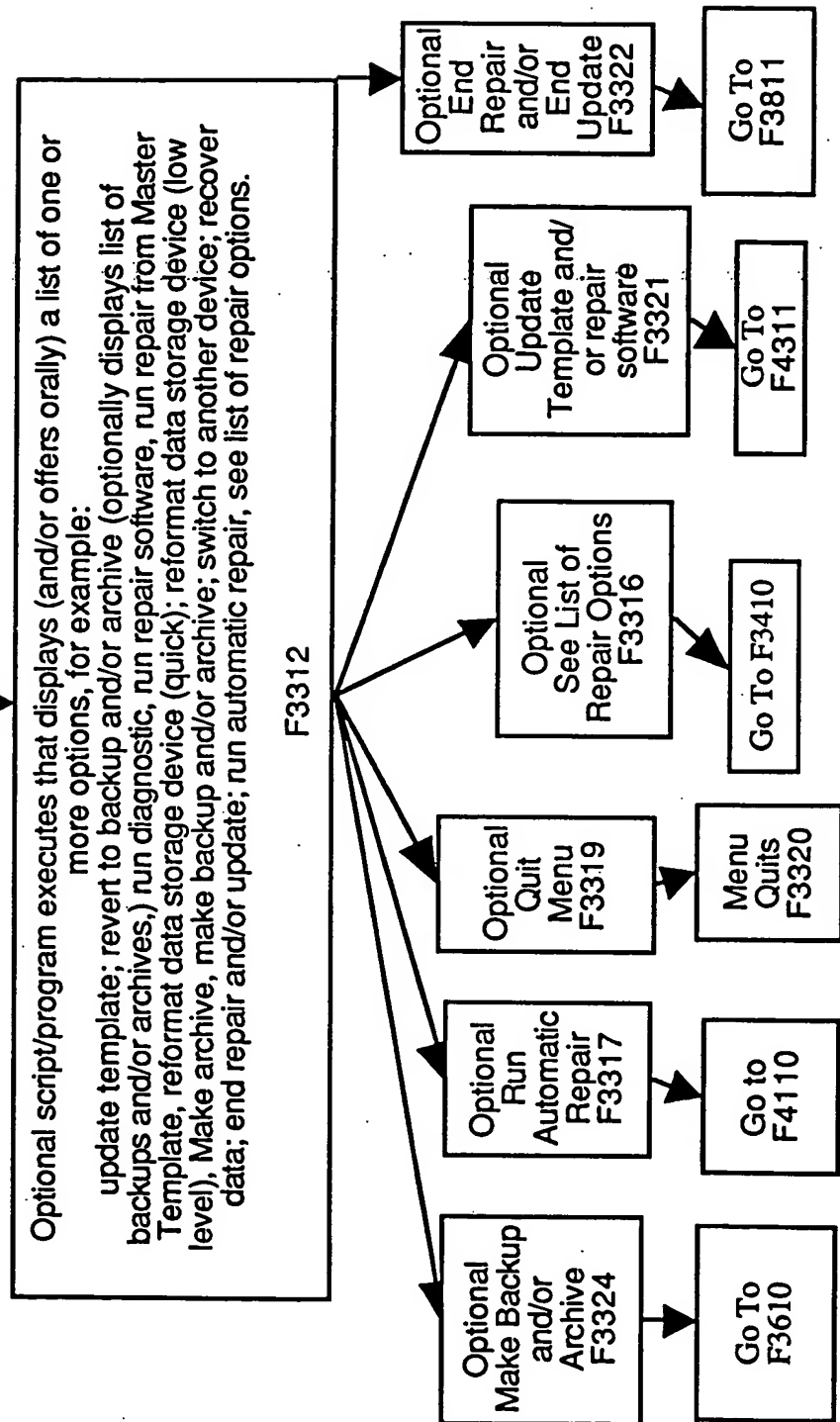


Figure F34

Came From F3316

Sheet 17 of 47

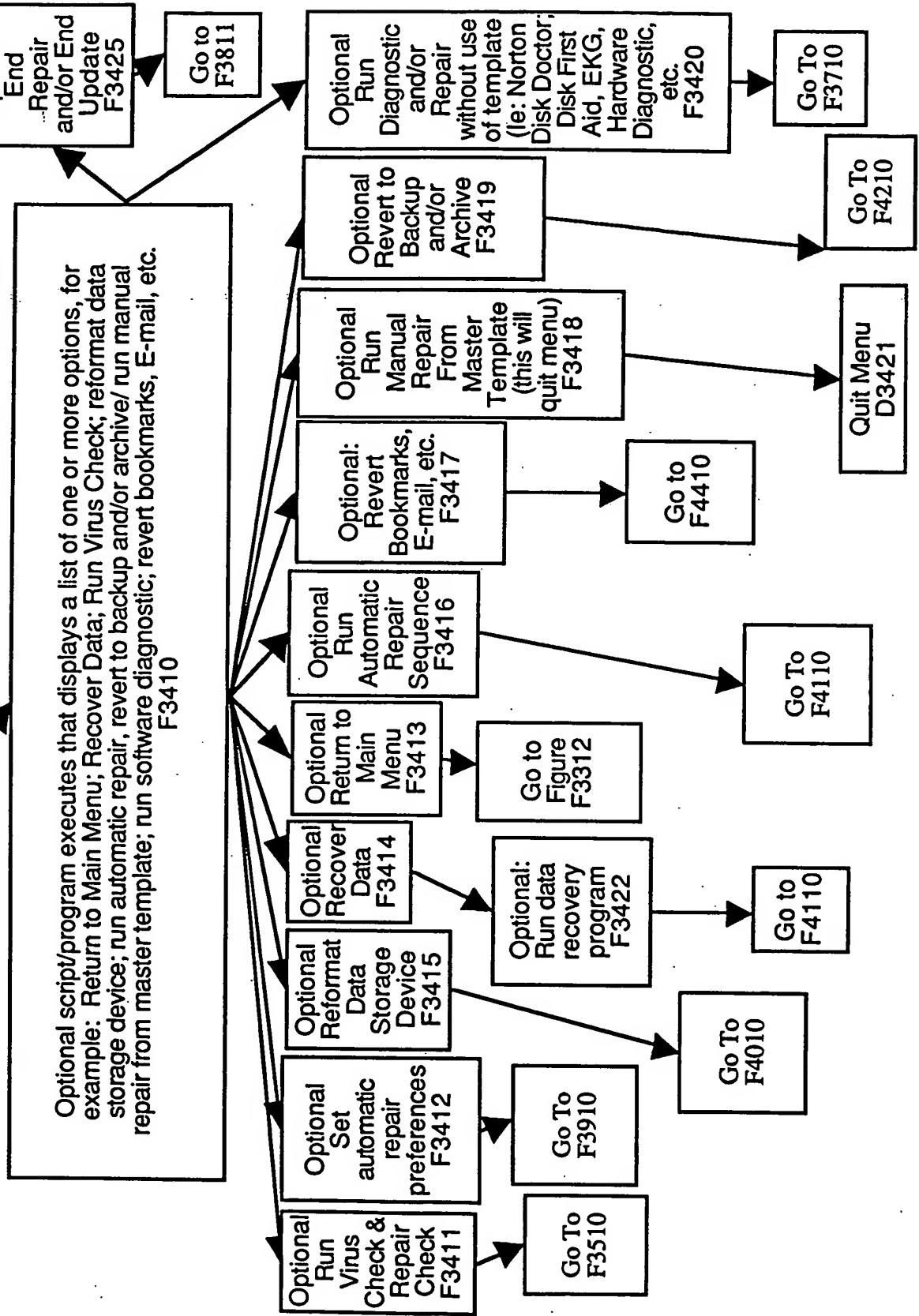
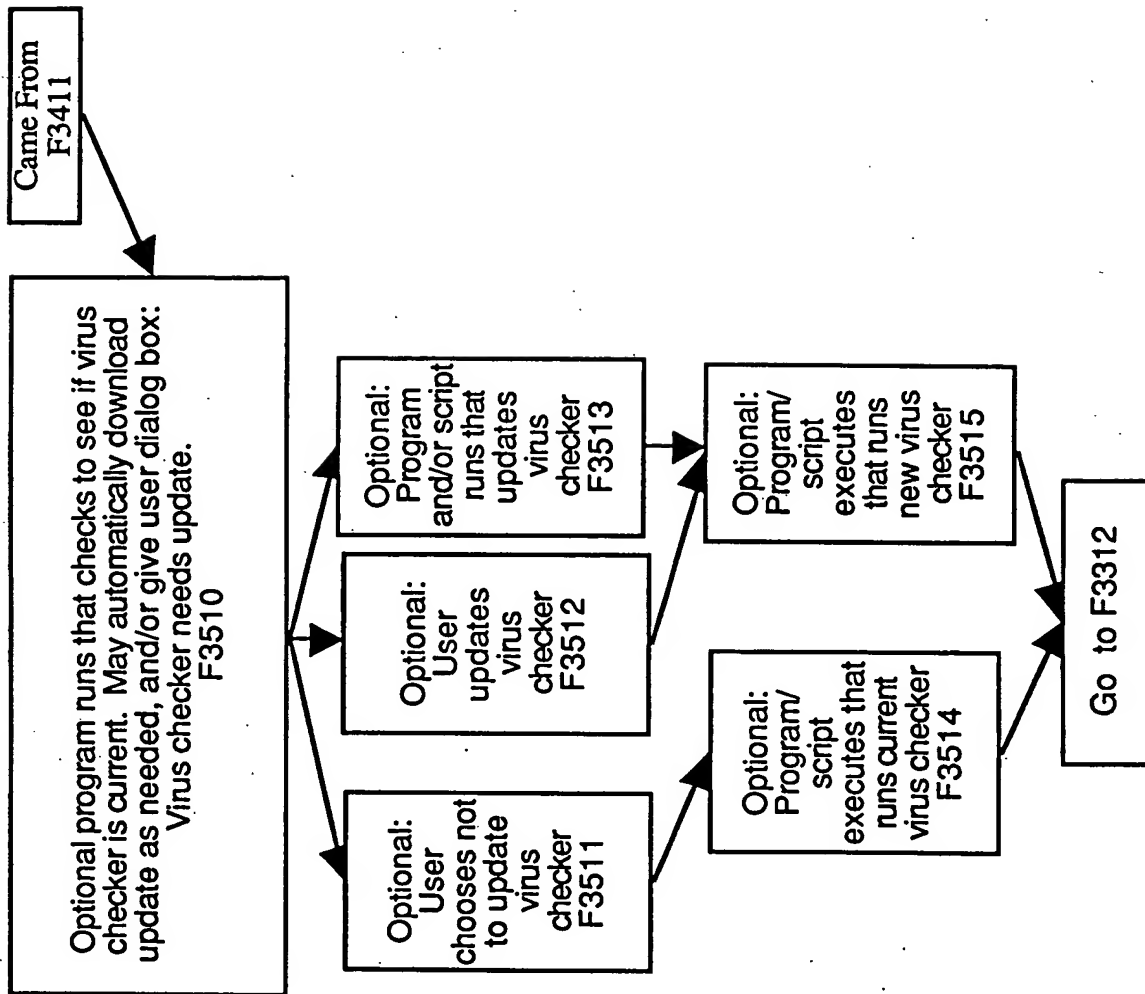


Figure F35



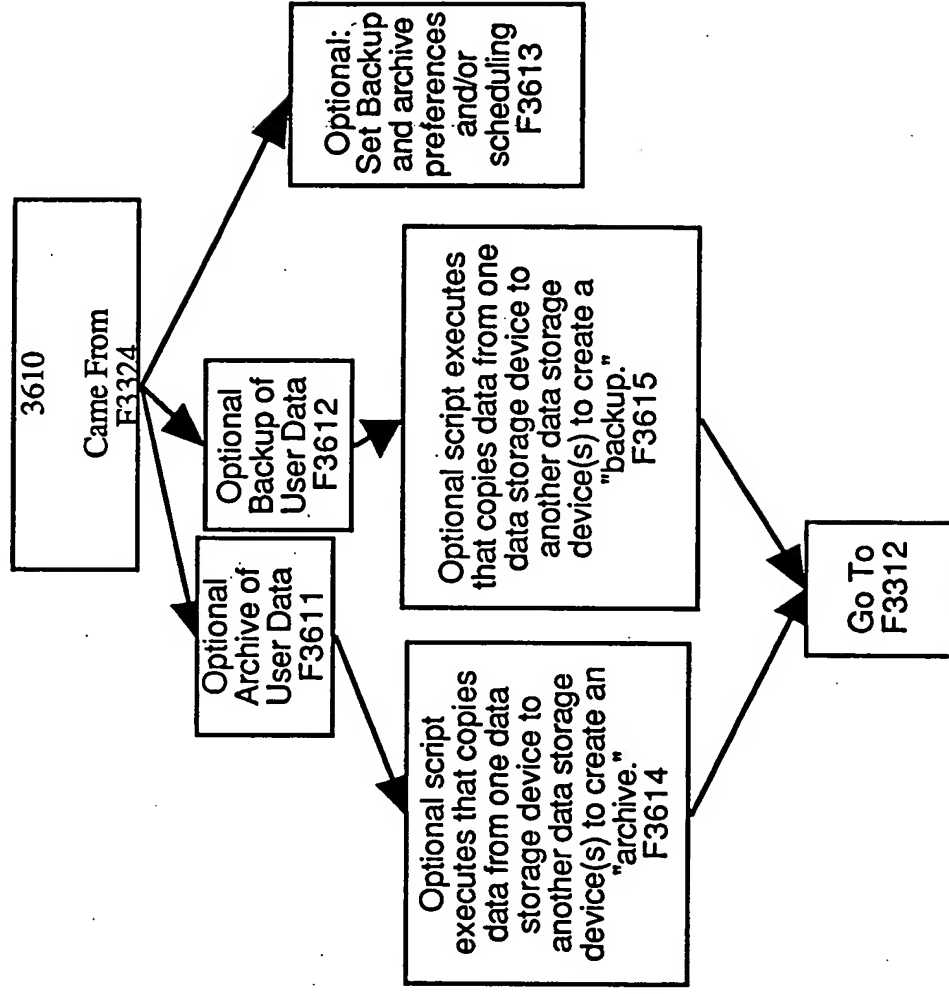


Figure F 37

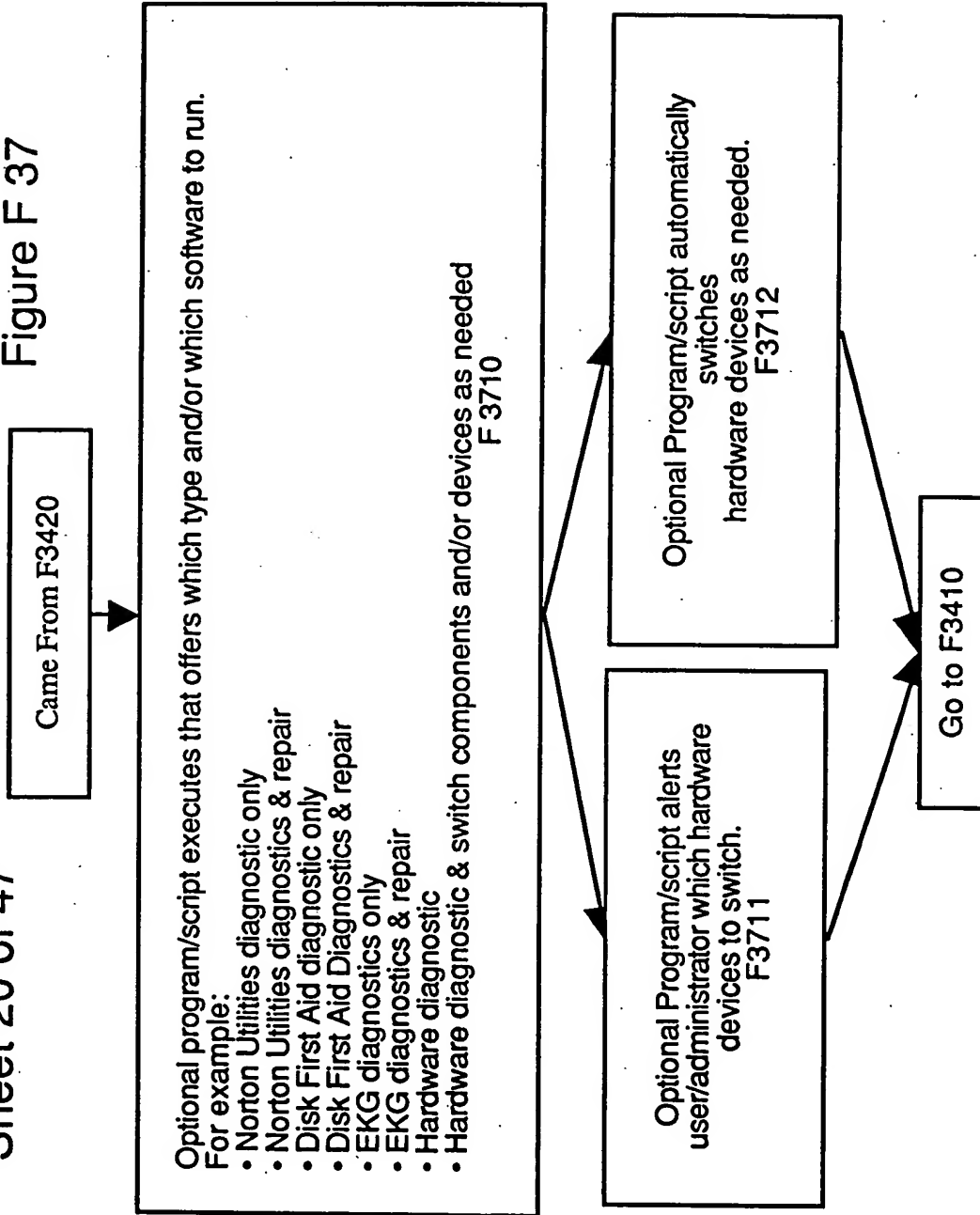




Figure F38

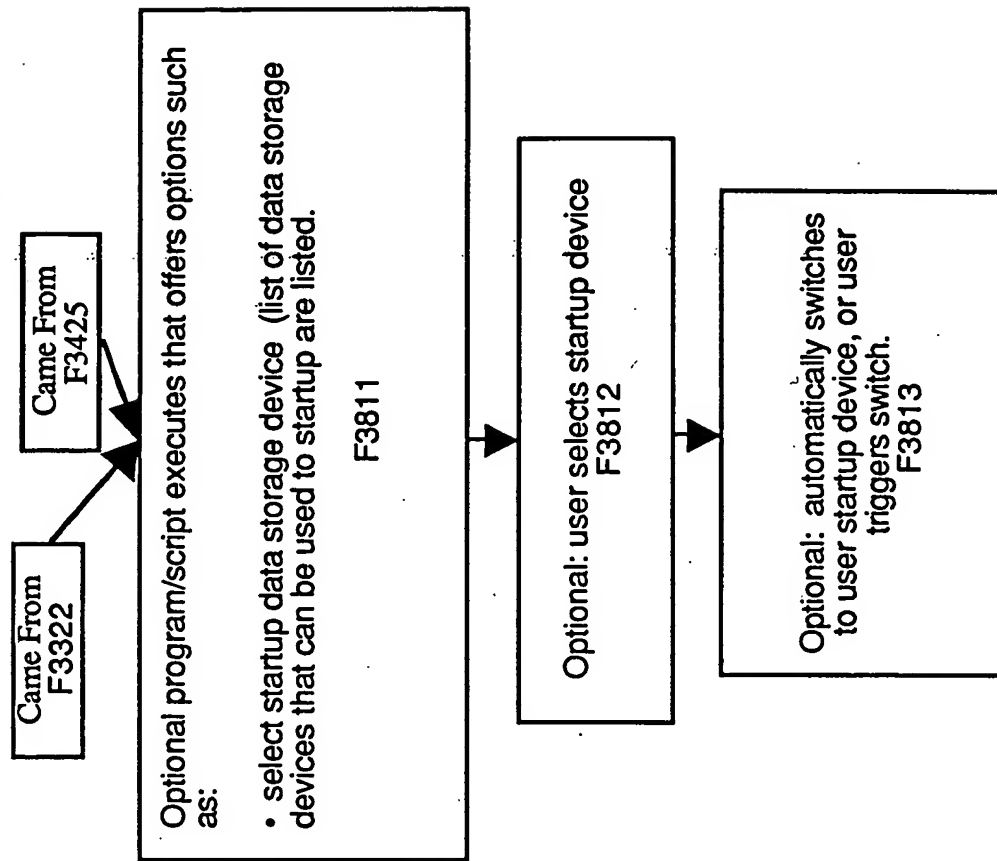


Figure F39

Came From F3412

Sheet 22 of 47

Optional program/script executes that offers options for automatic repair preferences. For example:

- quick format
- low level format
- run software automatic repair
- use hardware diagnostics & and automatic switching
- run Norton Utilities
- run Disk First Aid
- run EKG
- run suggested default for quick repair
- run suggested default for better repair
- run suggested default for best repair
- setup from backup
- setup from Master Template
- switch hardware as needed
- Integrate bookmarks, E-mail, and other personal data from:
  - most recent prior to repair
  - backup at time of repair
  - older backup/archive
  - at time of repair give user option
  - automatically select based on default

F3910

go to F3410

Figure F40

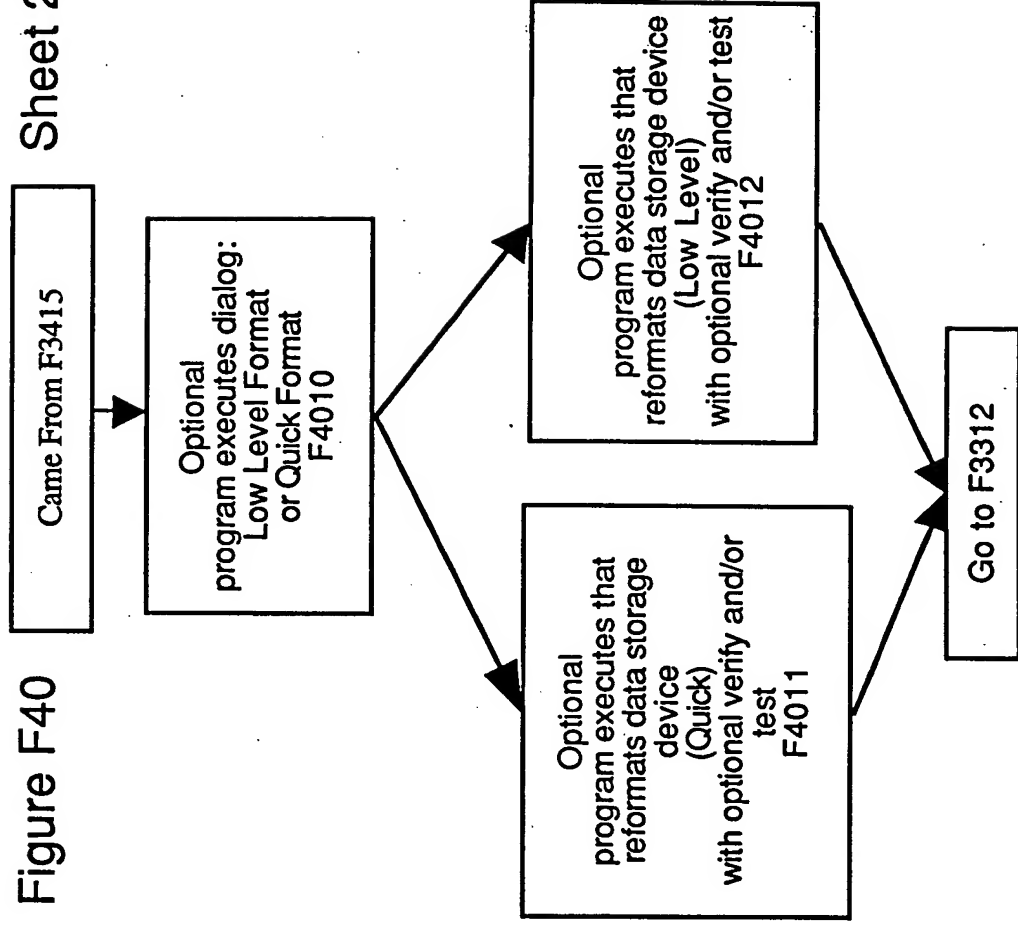
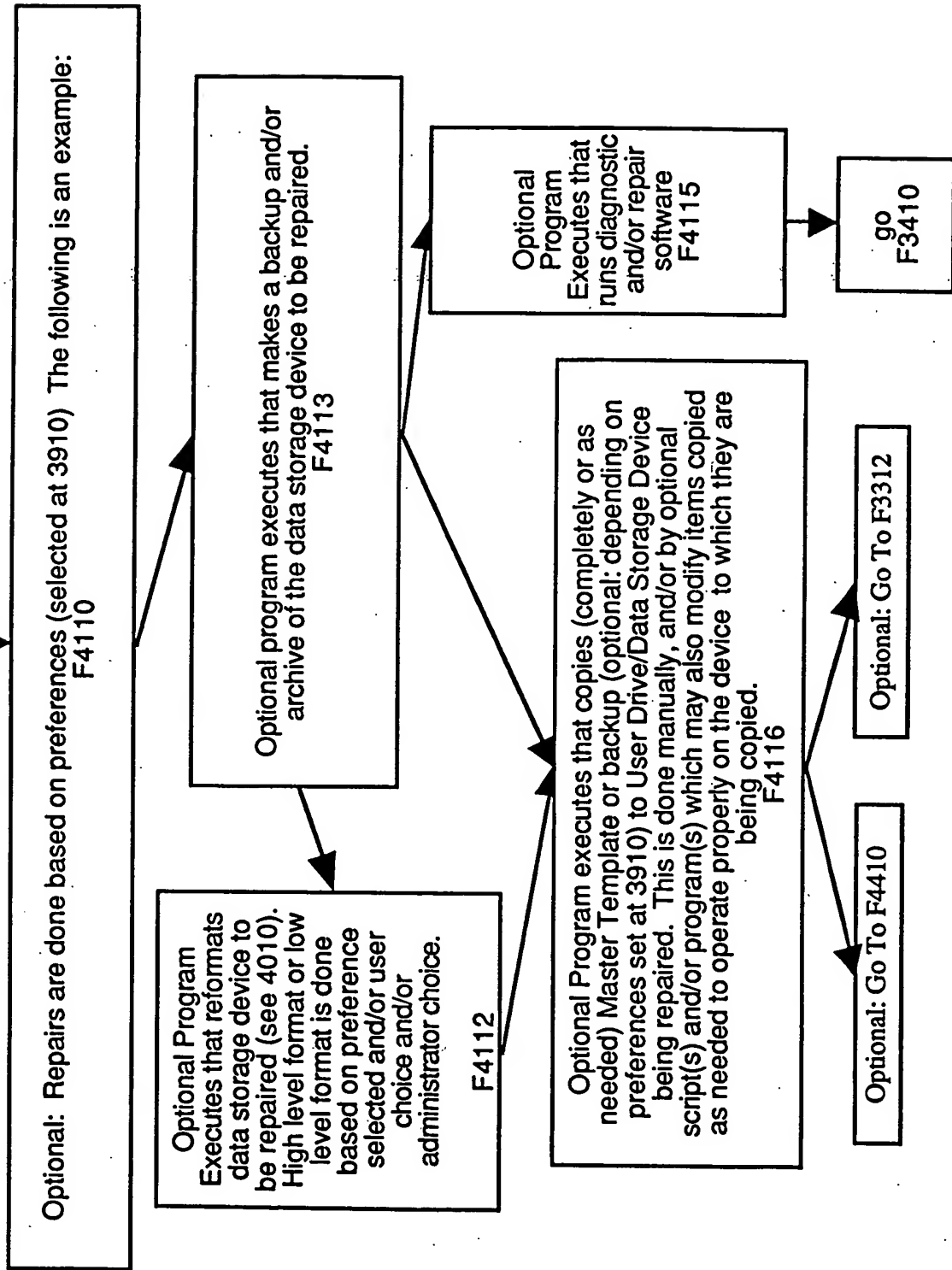


Figure F41



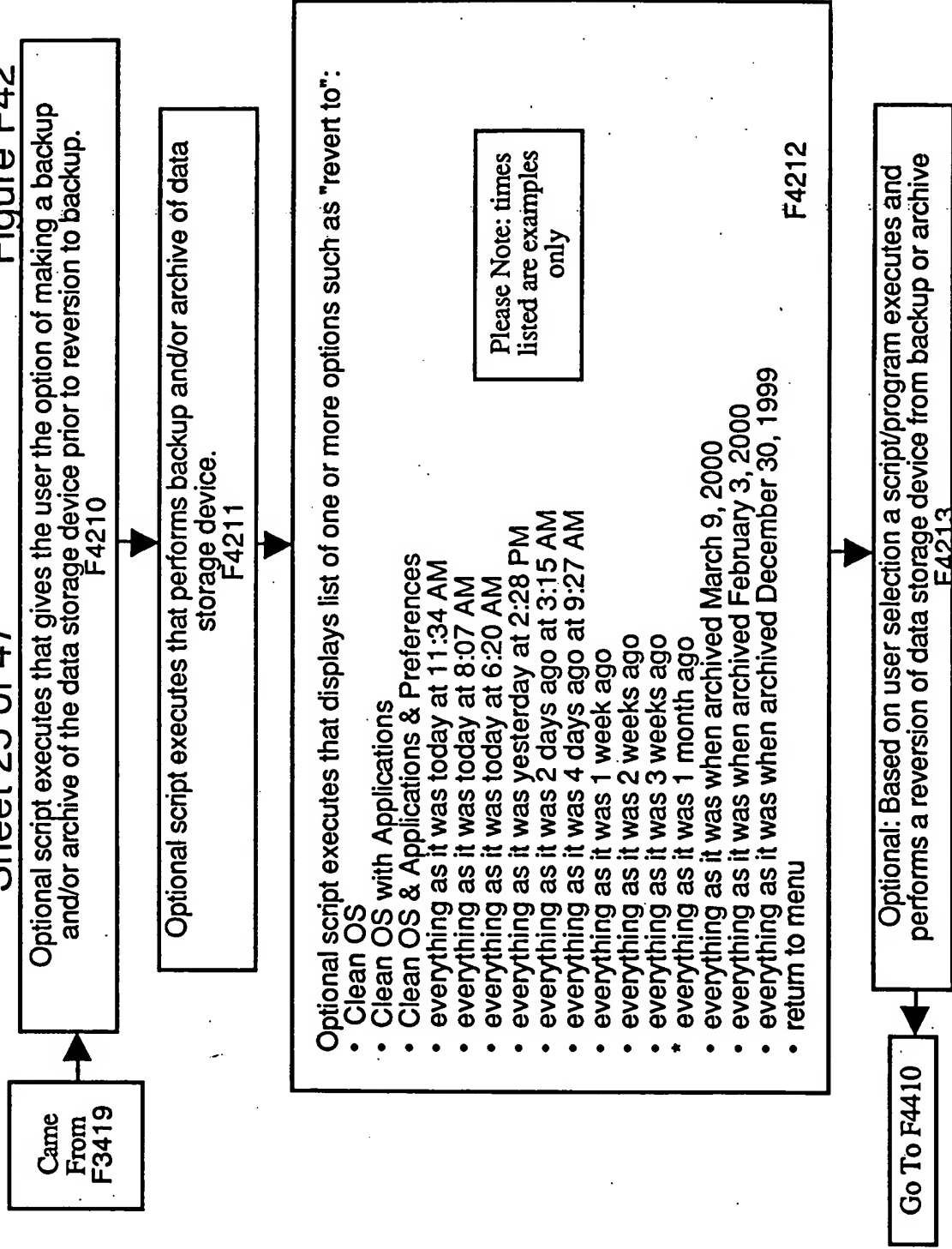


Figure F43

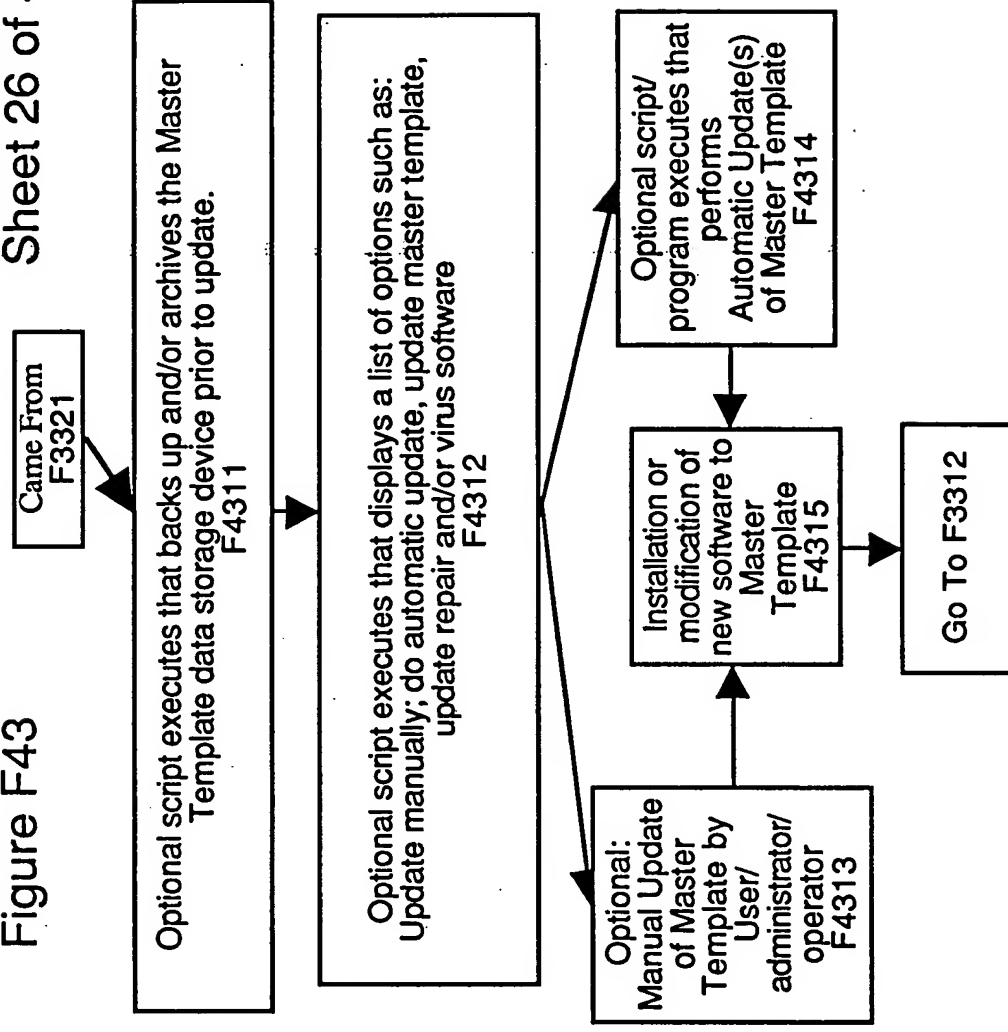
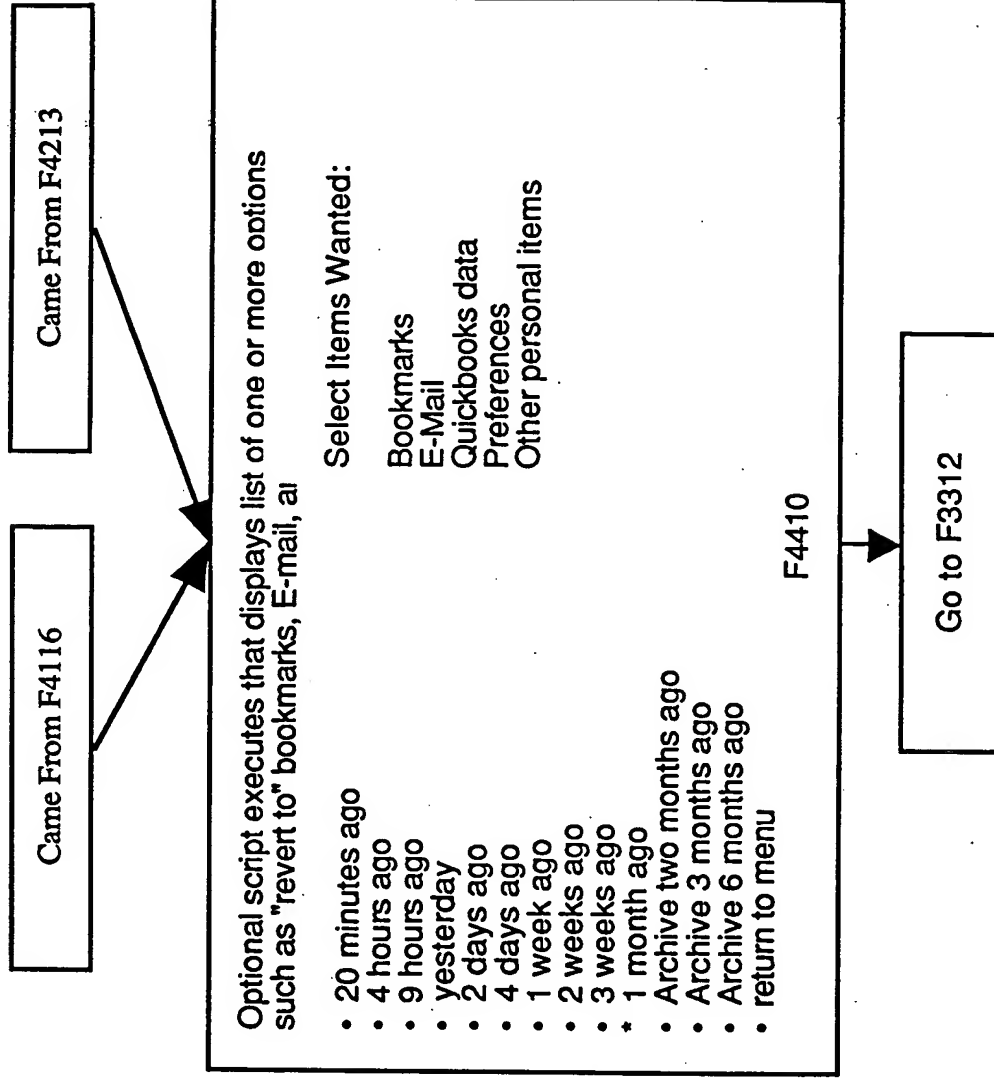


Figure F44

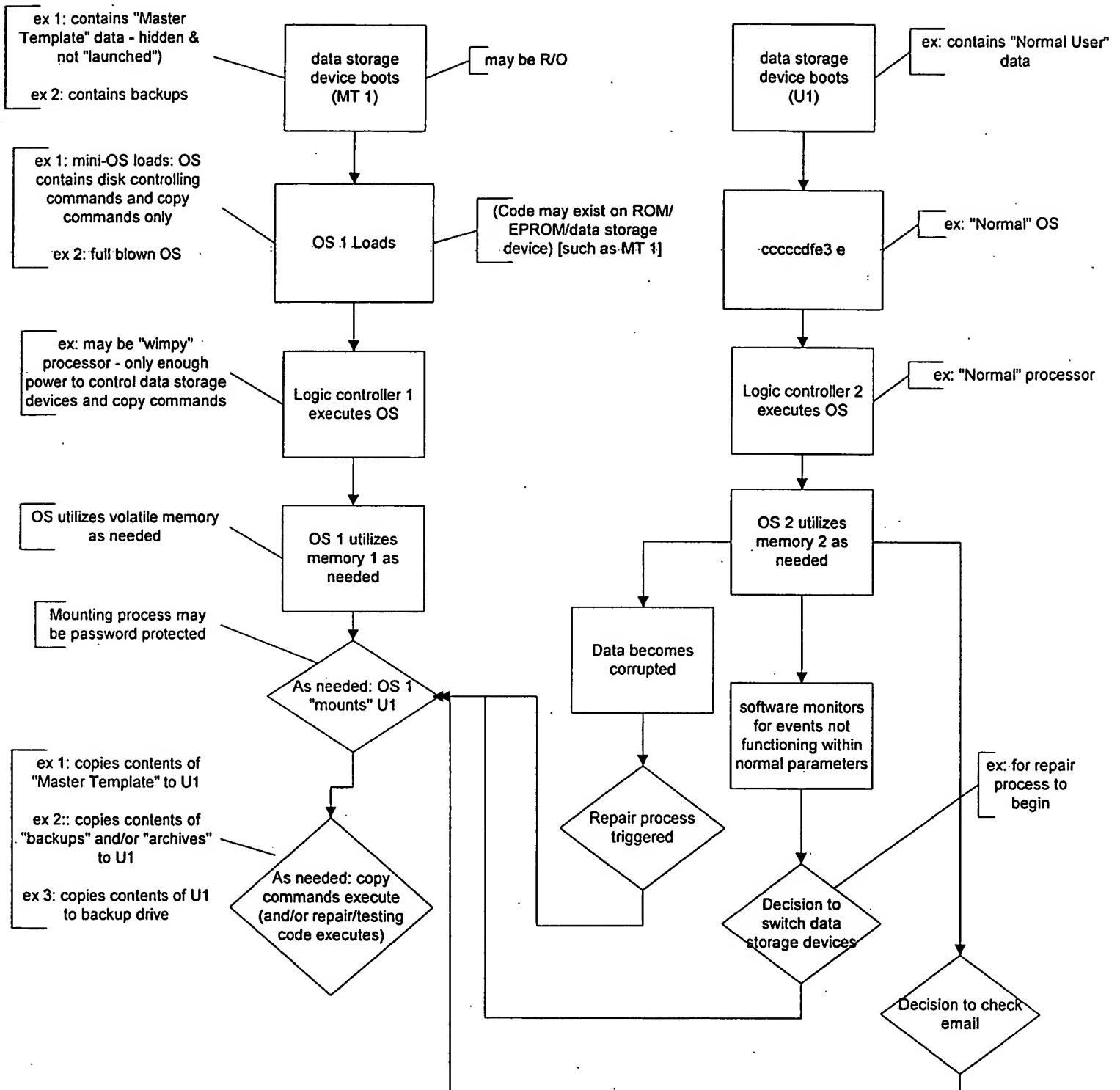
Sheet 27 of 47



(This "No shutdown necessary" method also Applies to Multi-User & Virus-Proof)

Switching Process without shutting down - utilizing dual Processors and dual Memory

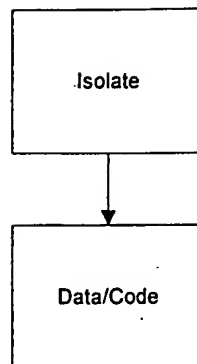
Figure F50



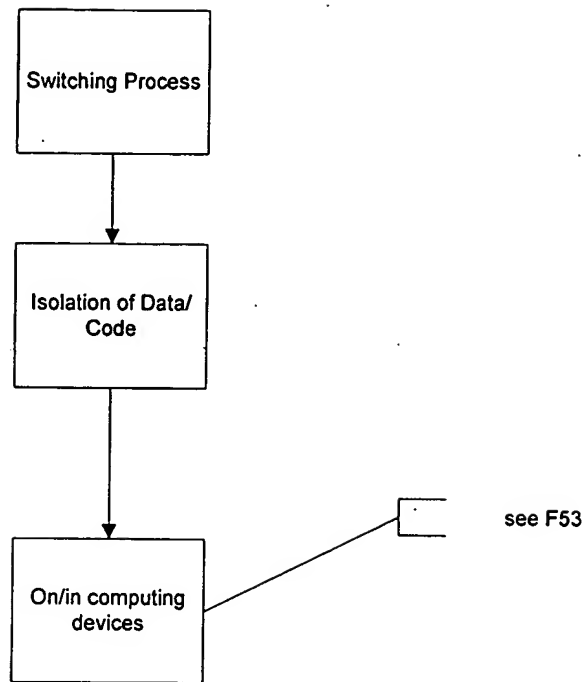


Virus-Proof  
Hacker-Proof

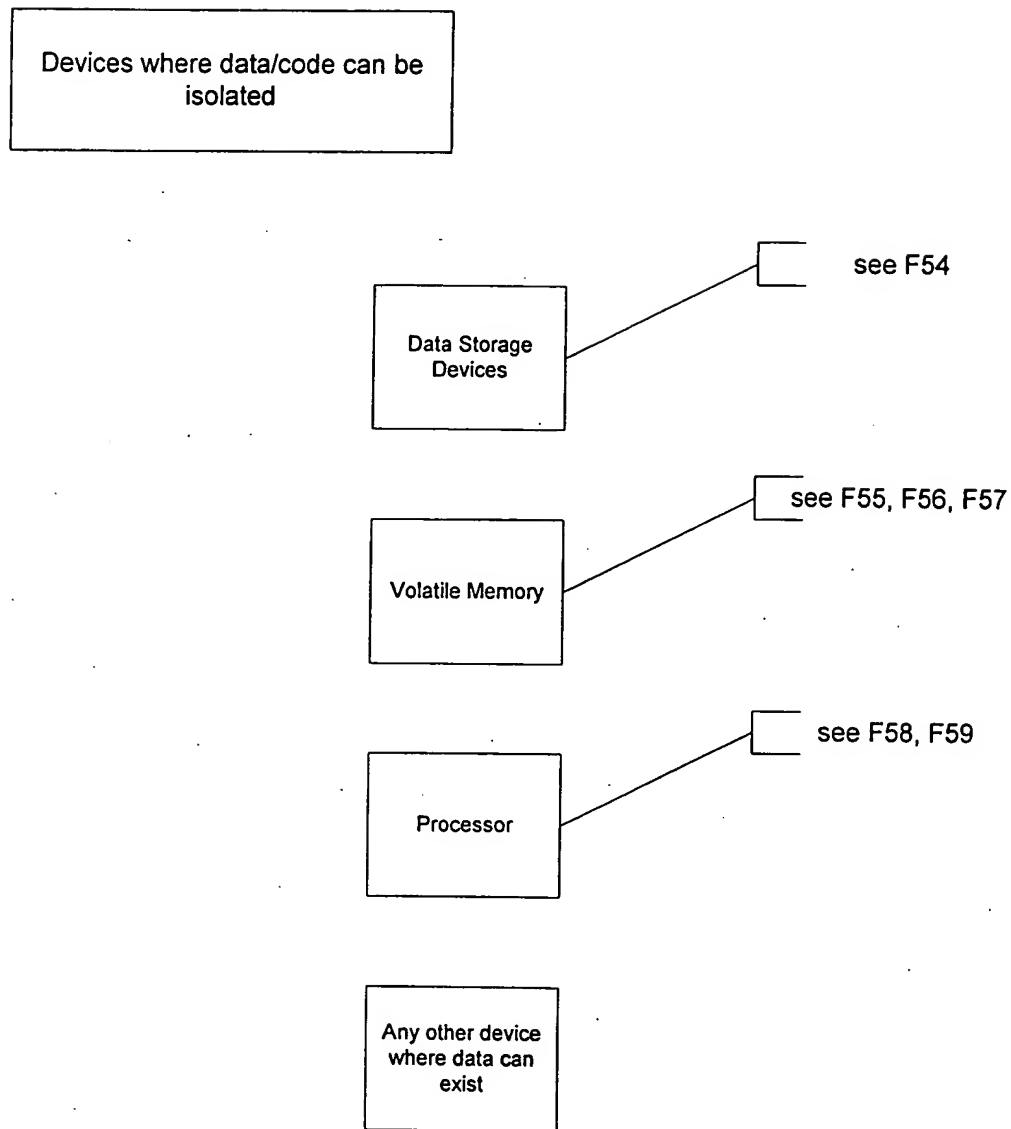
Figure F51



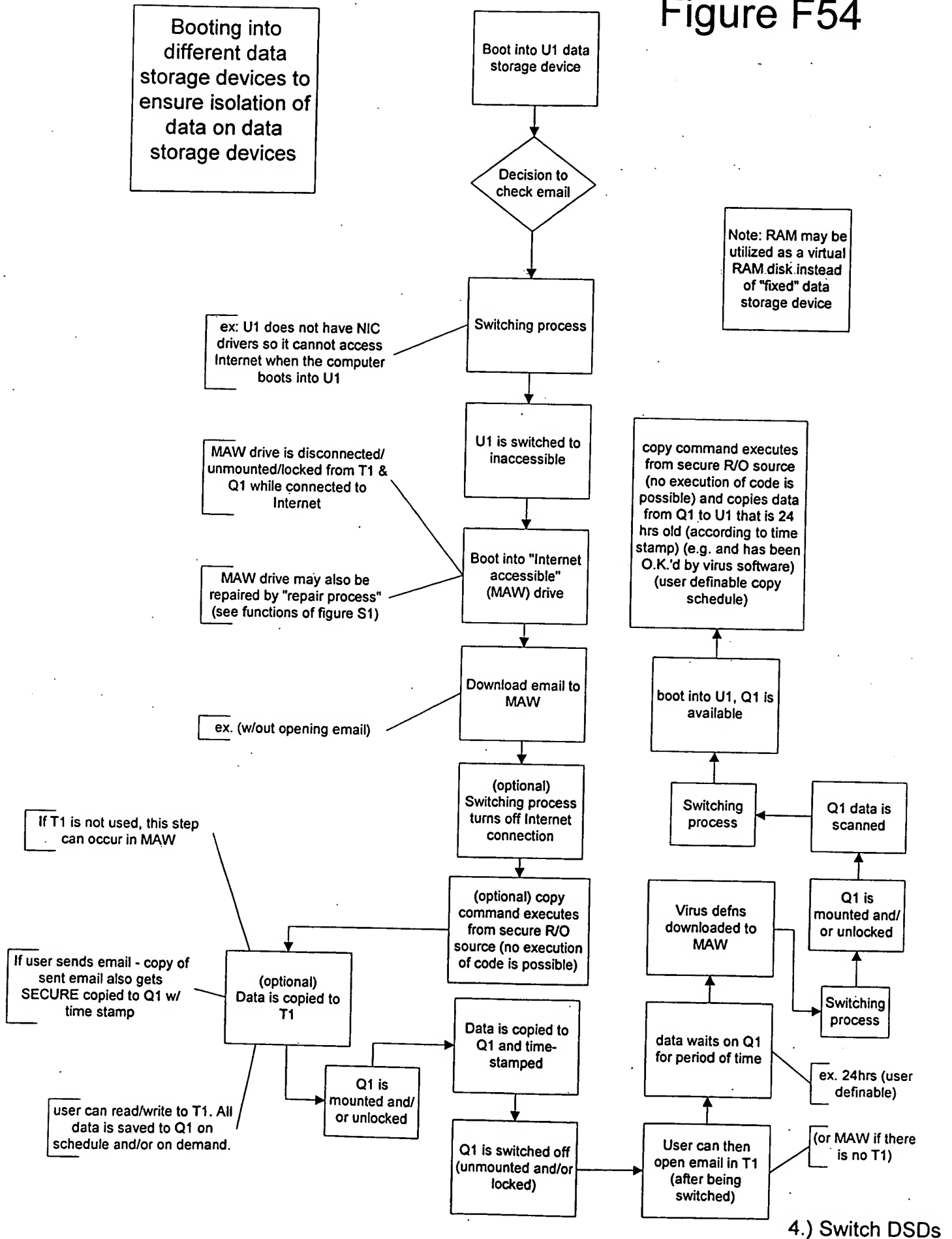
# Figure F52



# Figure F53



# Figure F54



Isolating data in volatile memory by "Flushing" volatile memory

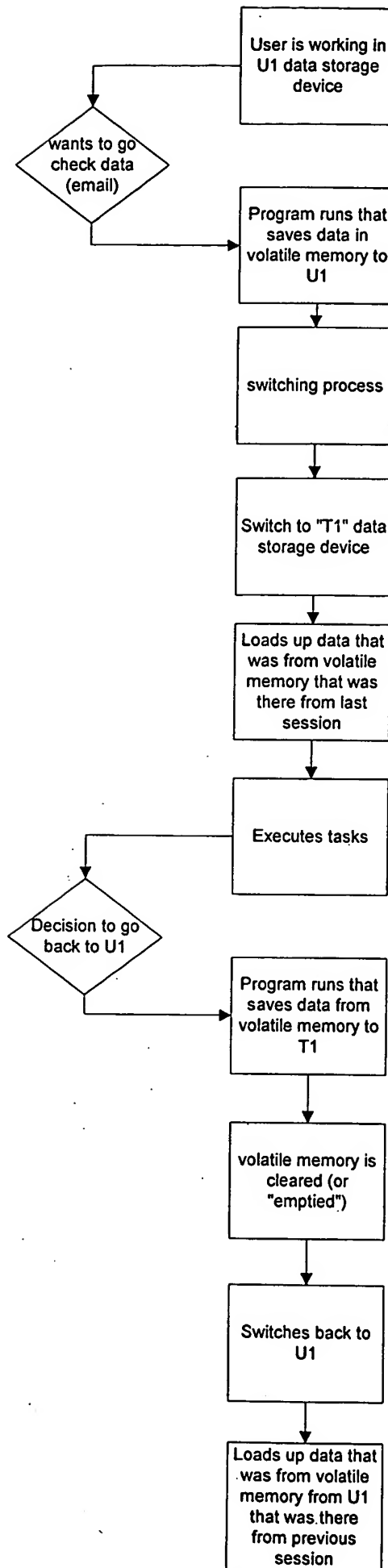


Figure F55

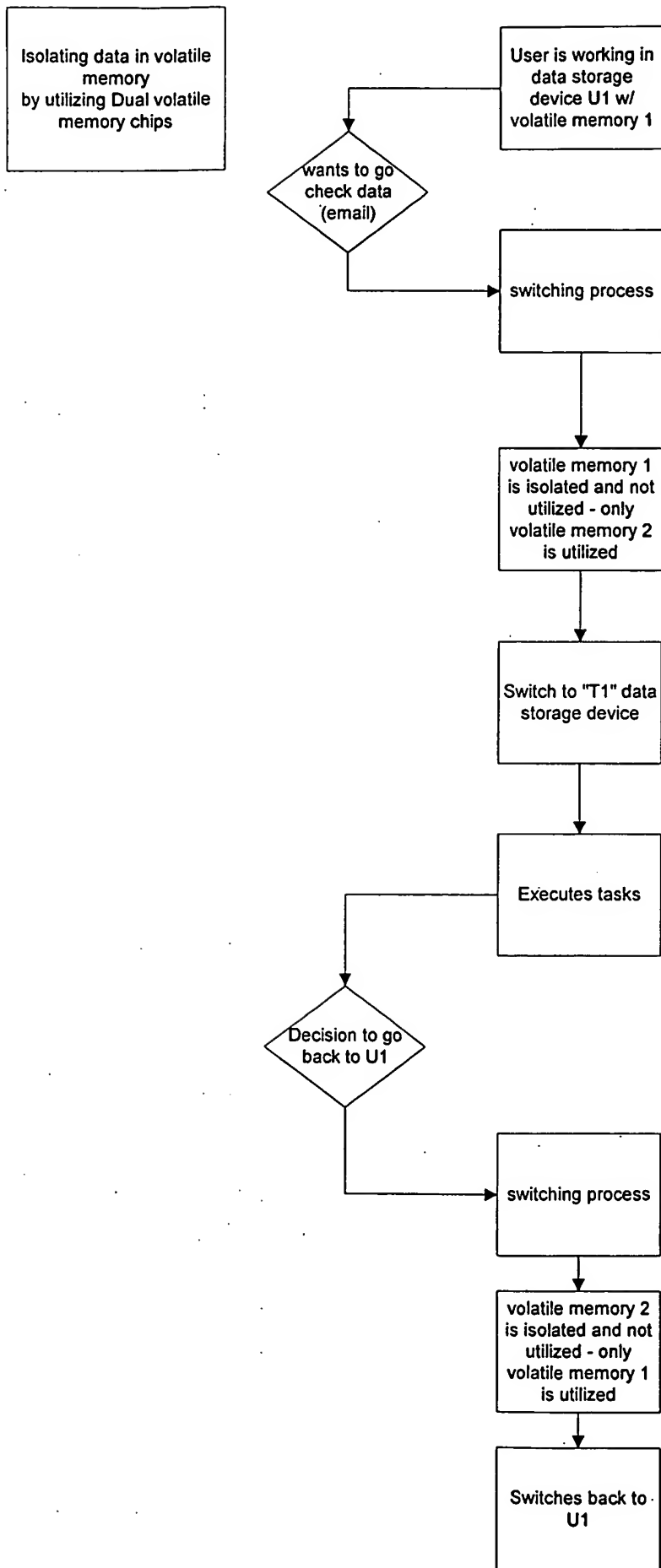


Figure F56

Figure F57

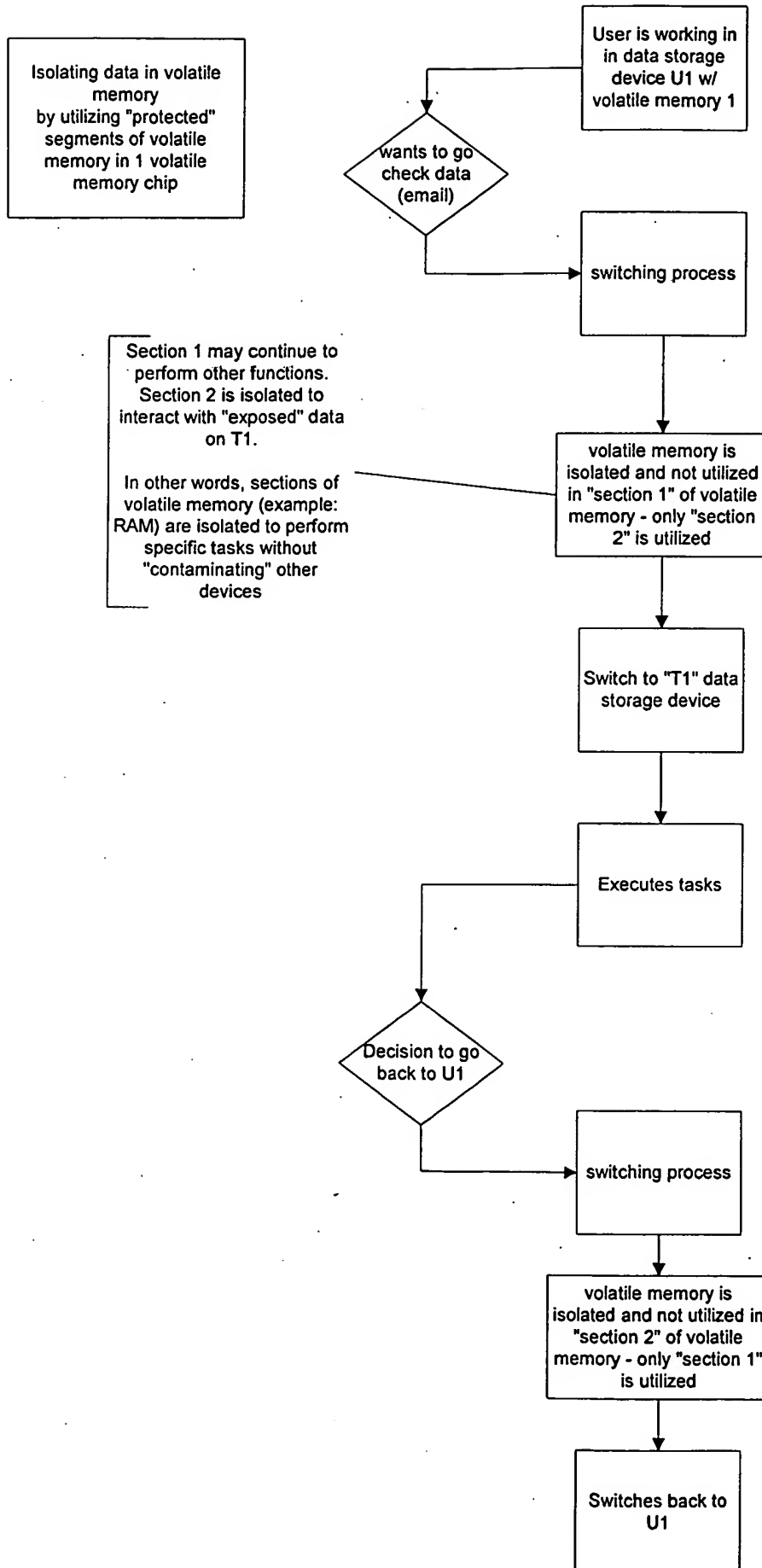


Figure F58

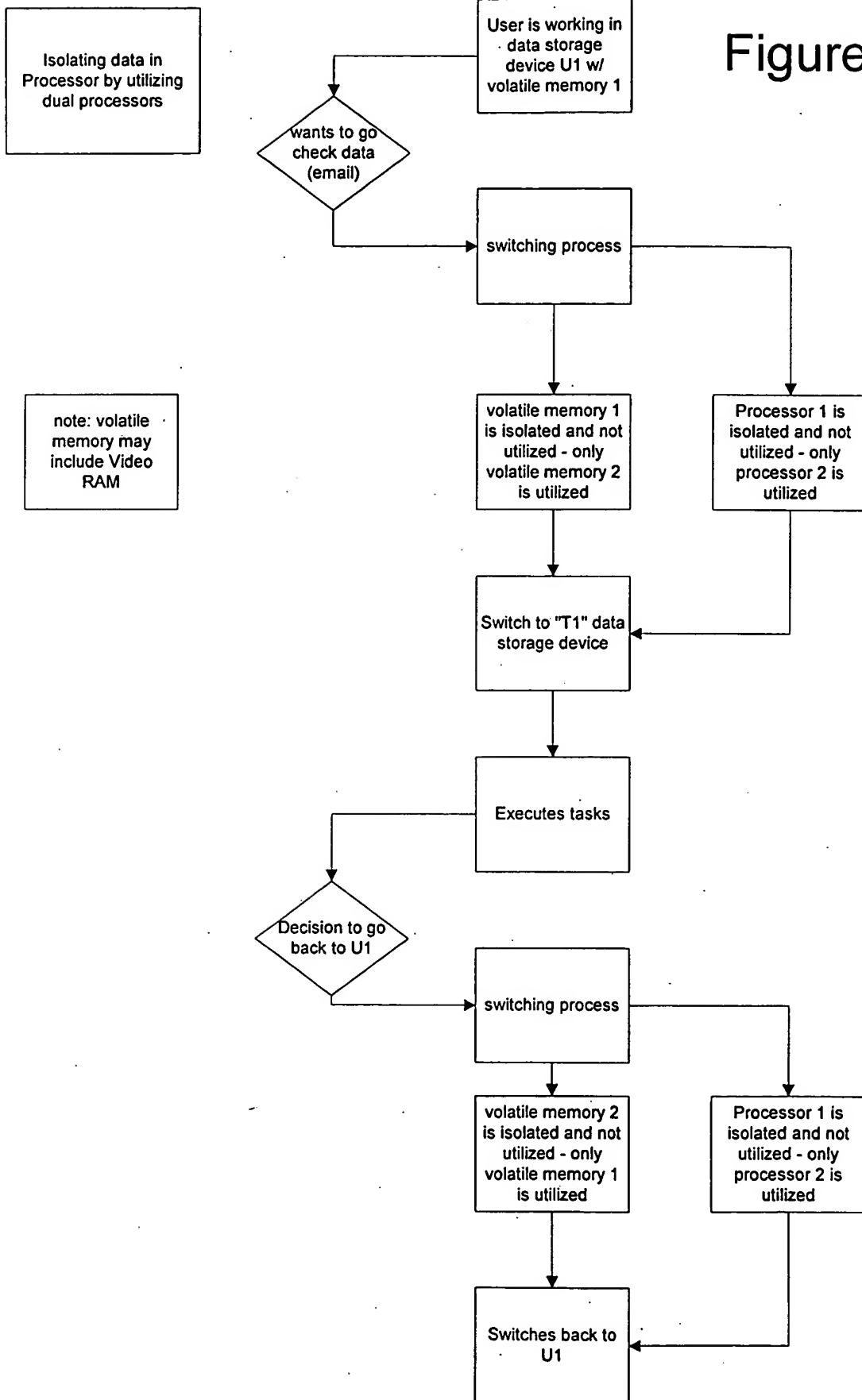
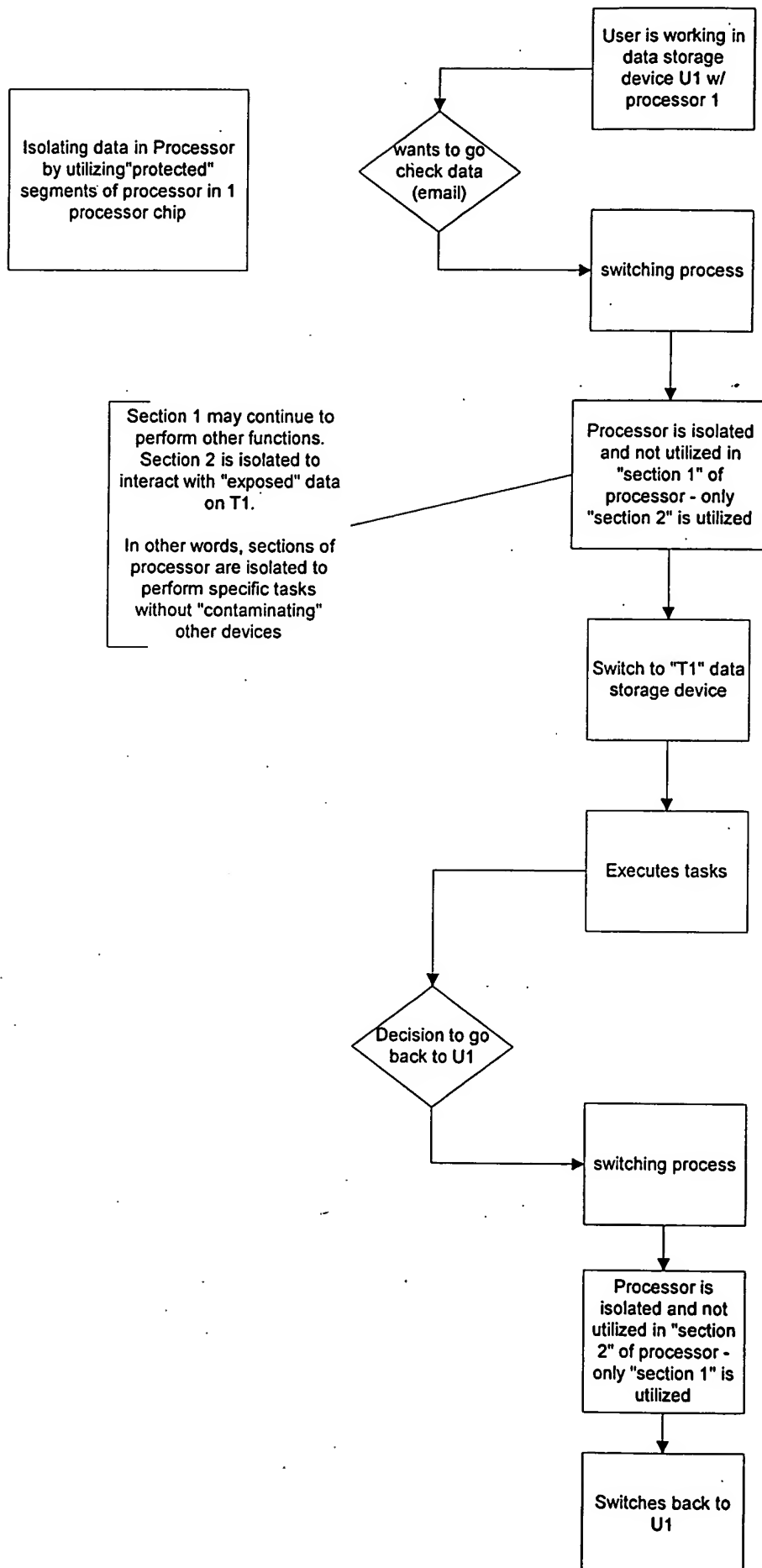
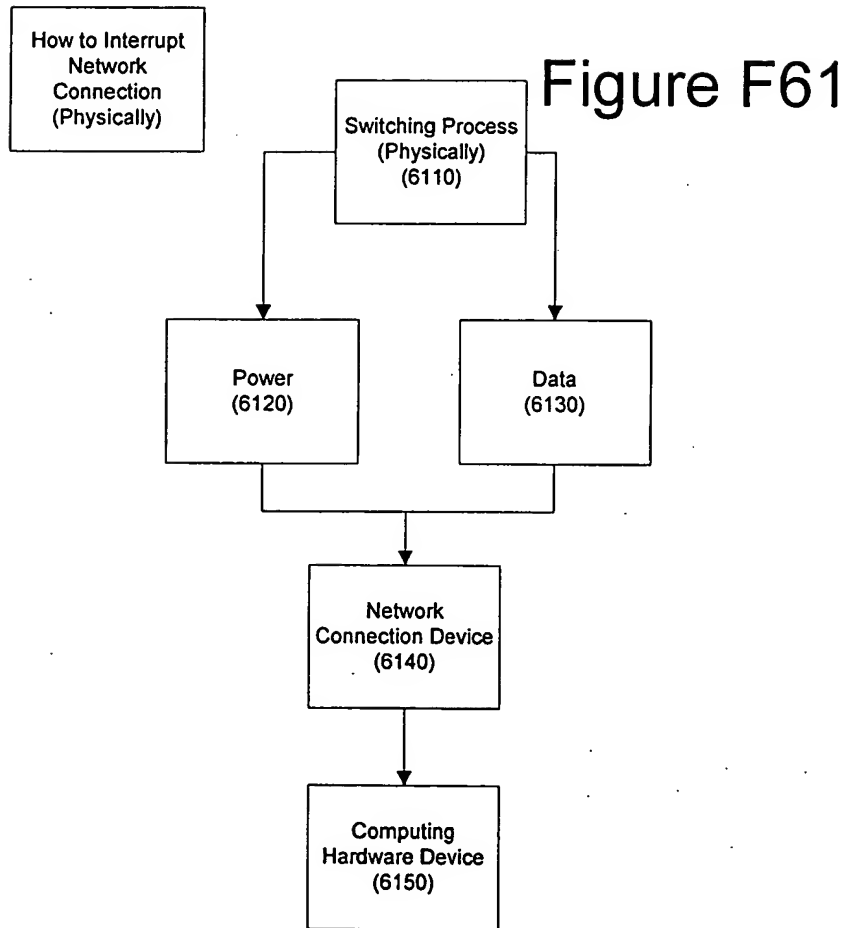




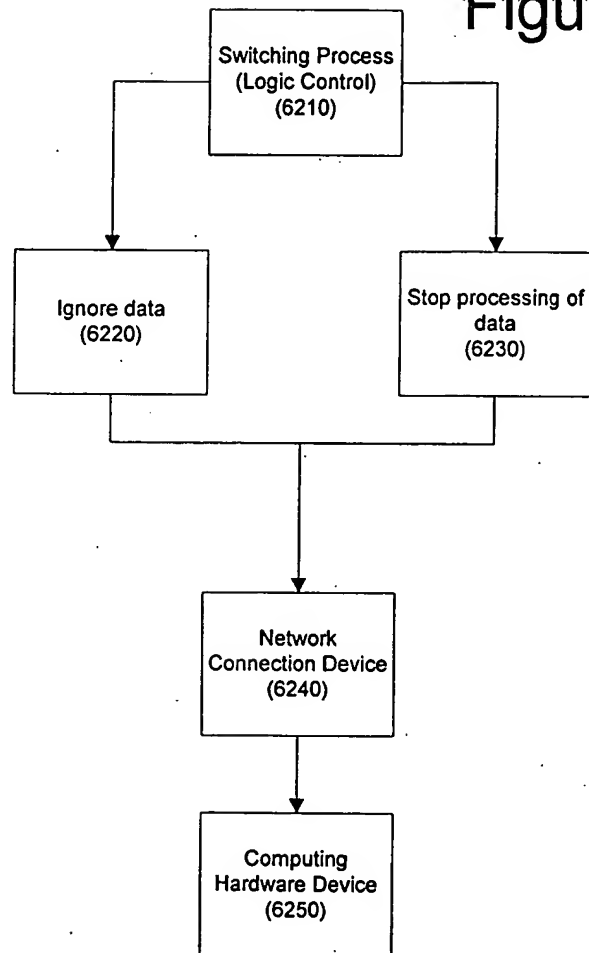
Figure F59





How to Interrupt  
Network  
Connection  
(Logic Control)

Figure F62



How to Interrupt  
Device Connection  
(Physically)  
Briefly

Figure F63

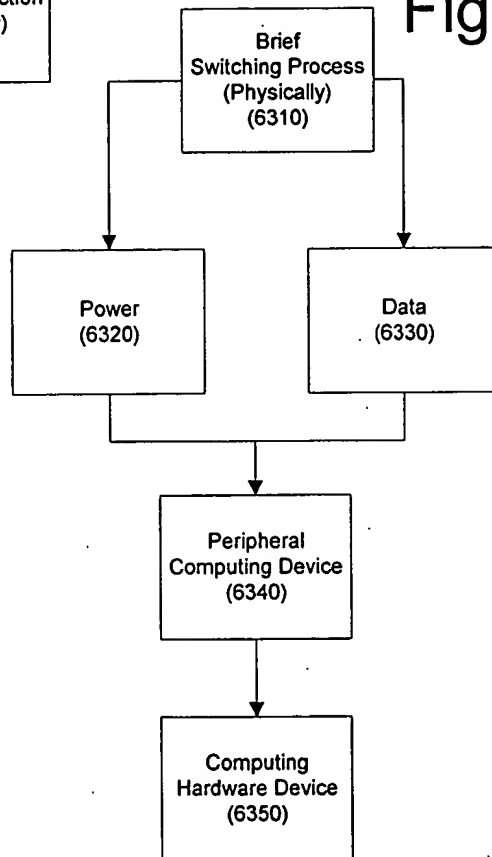
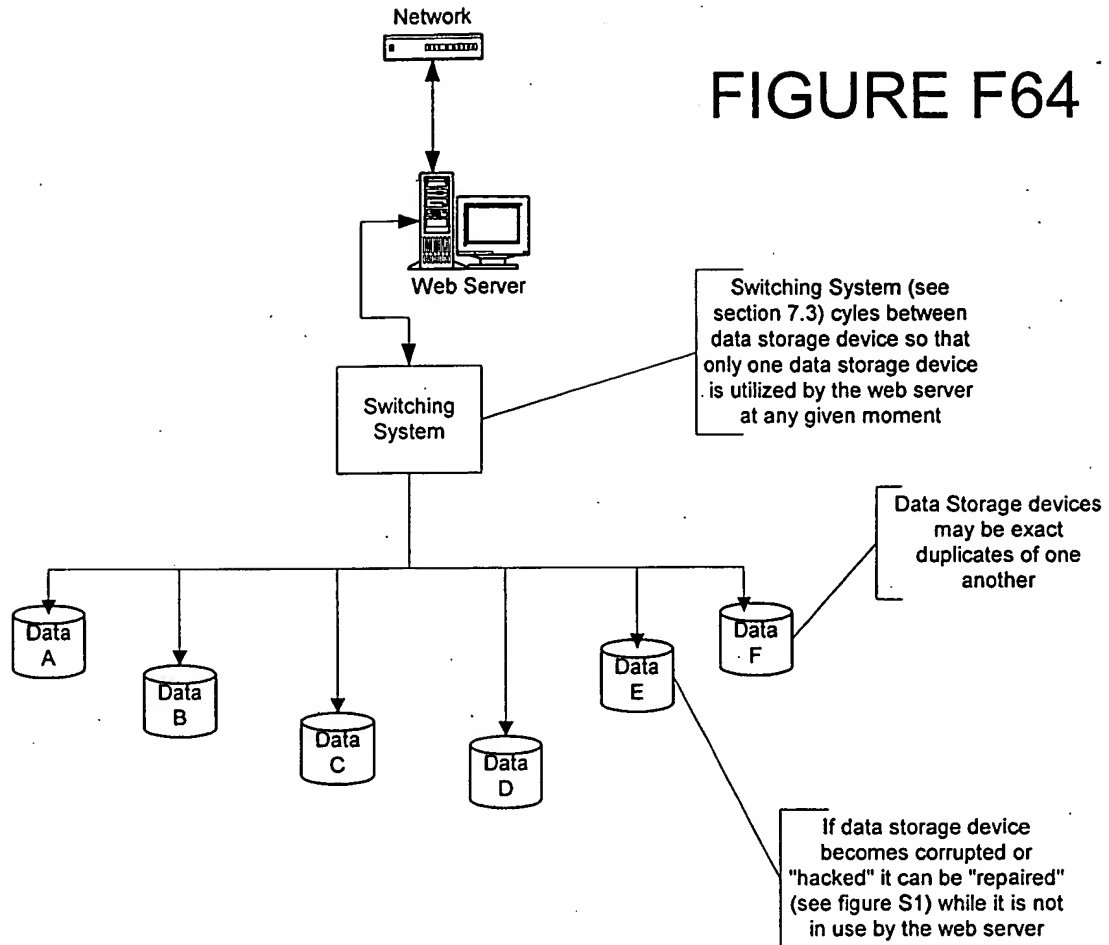
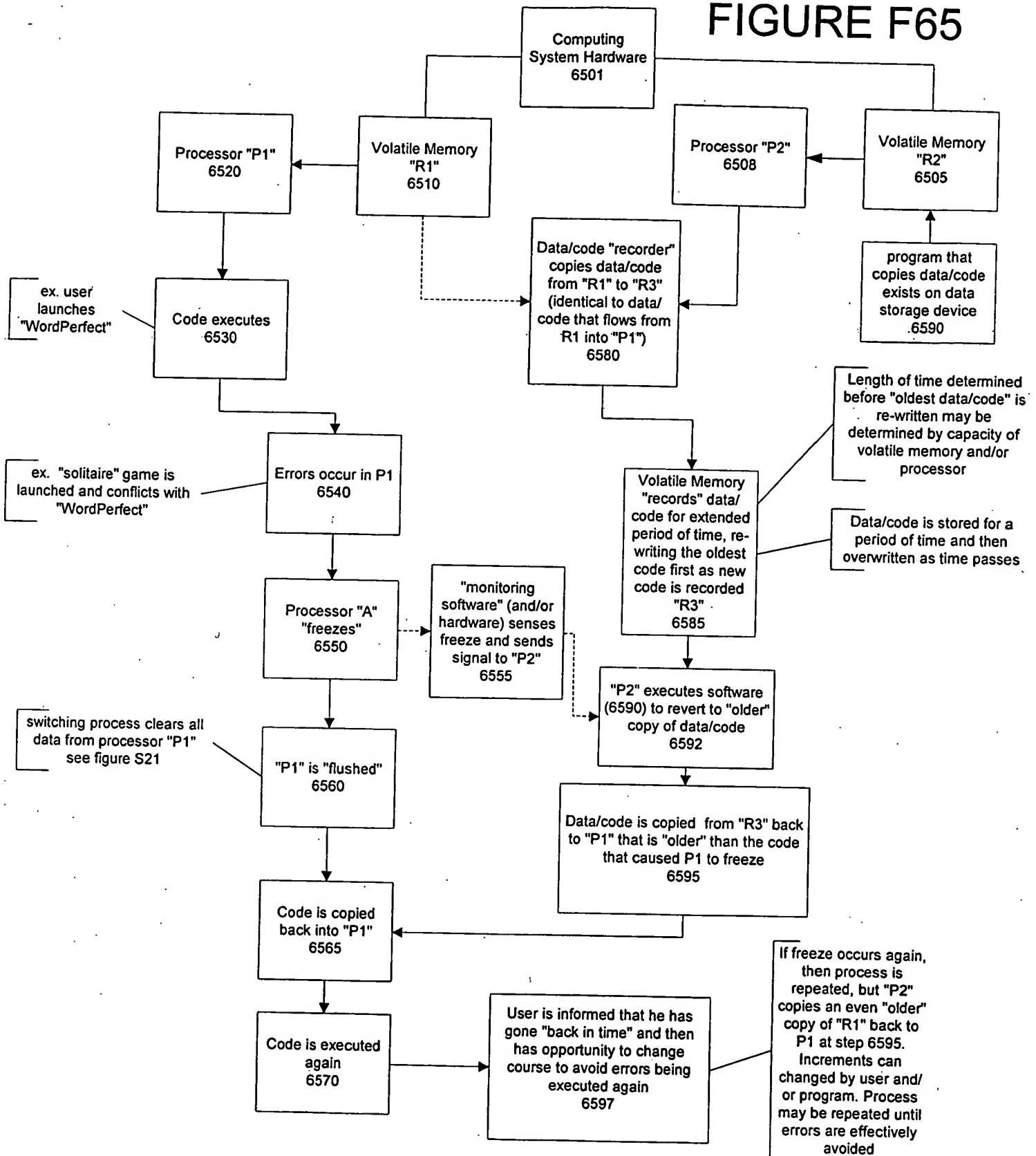


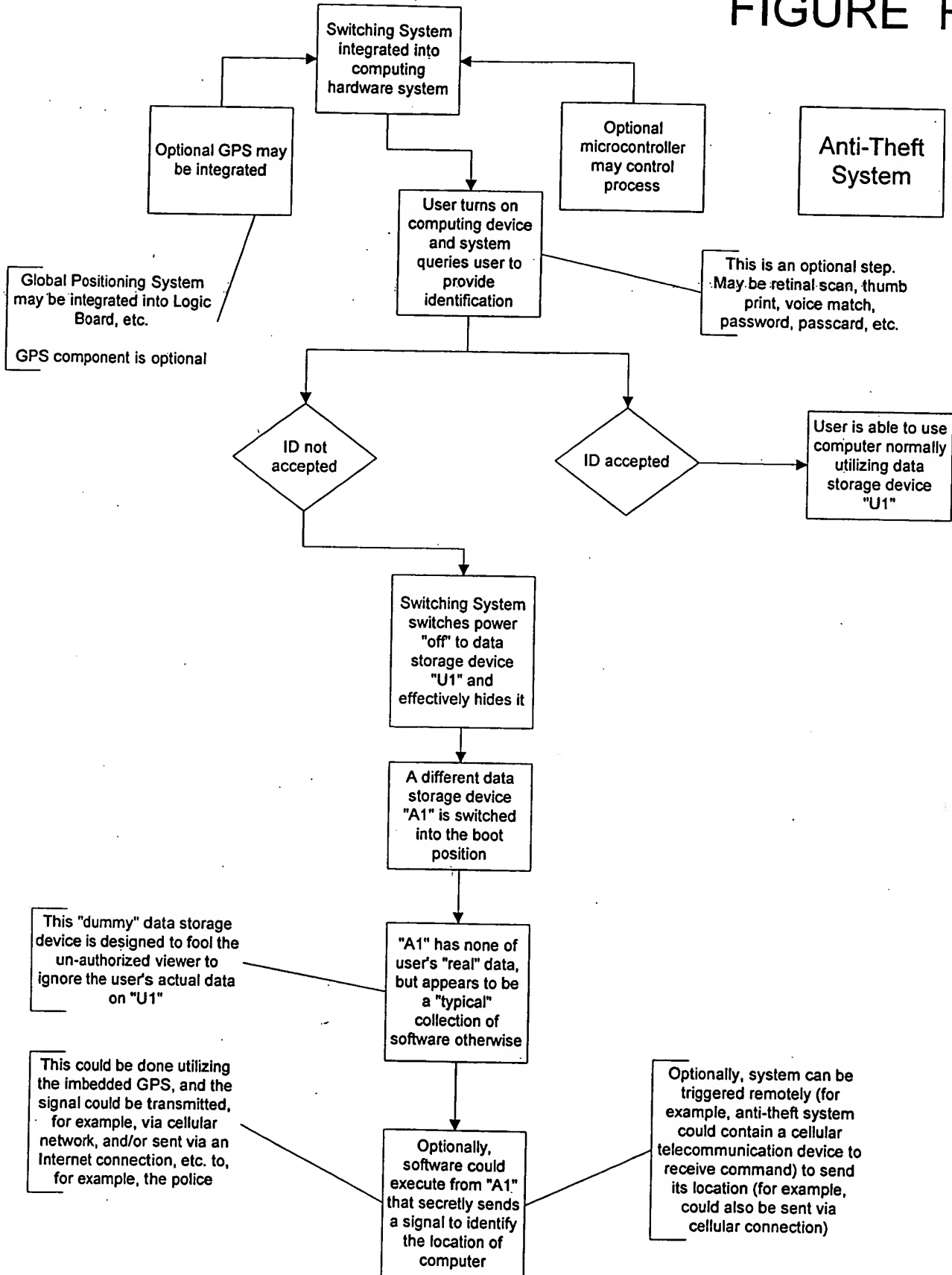
FIGURE F64



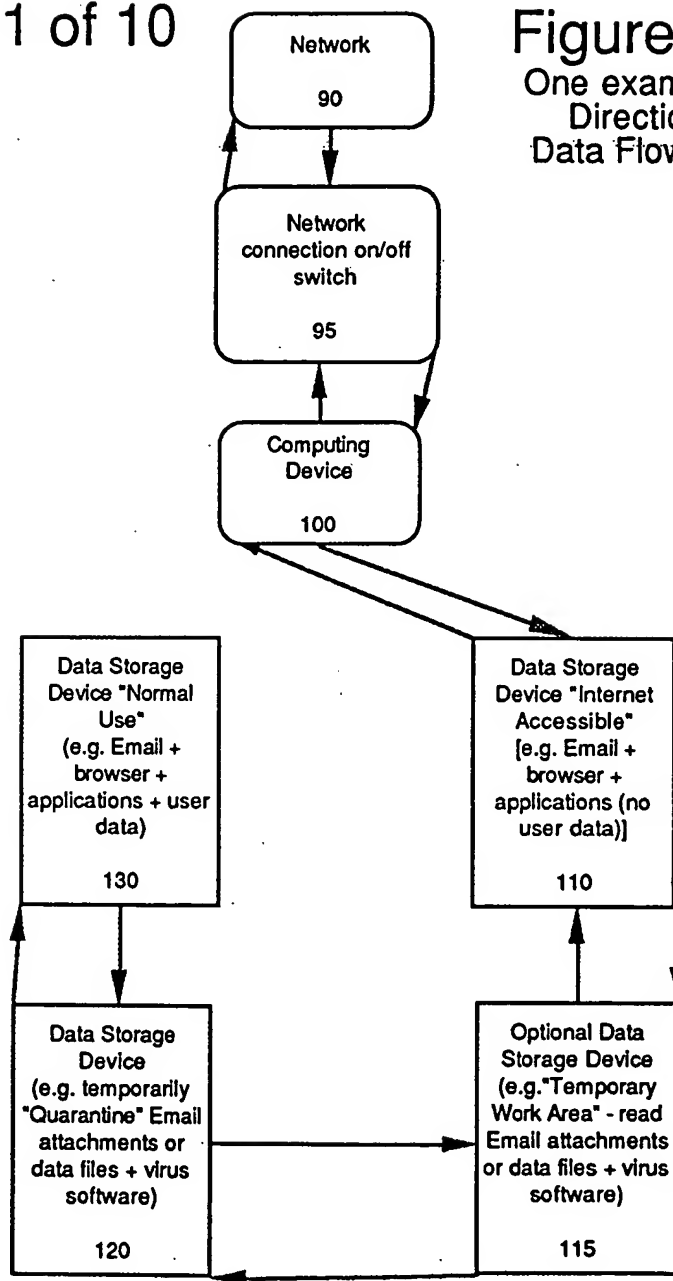
# FIGURE F65



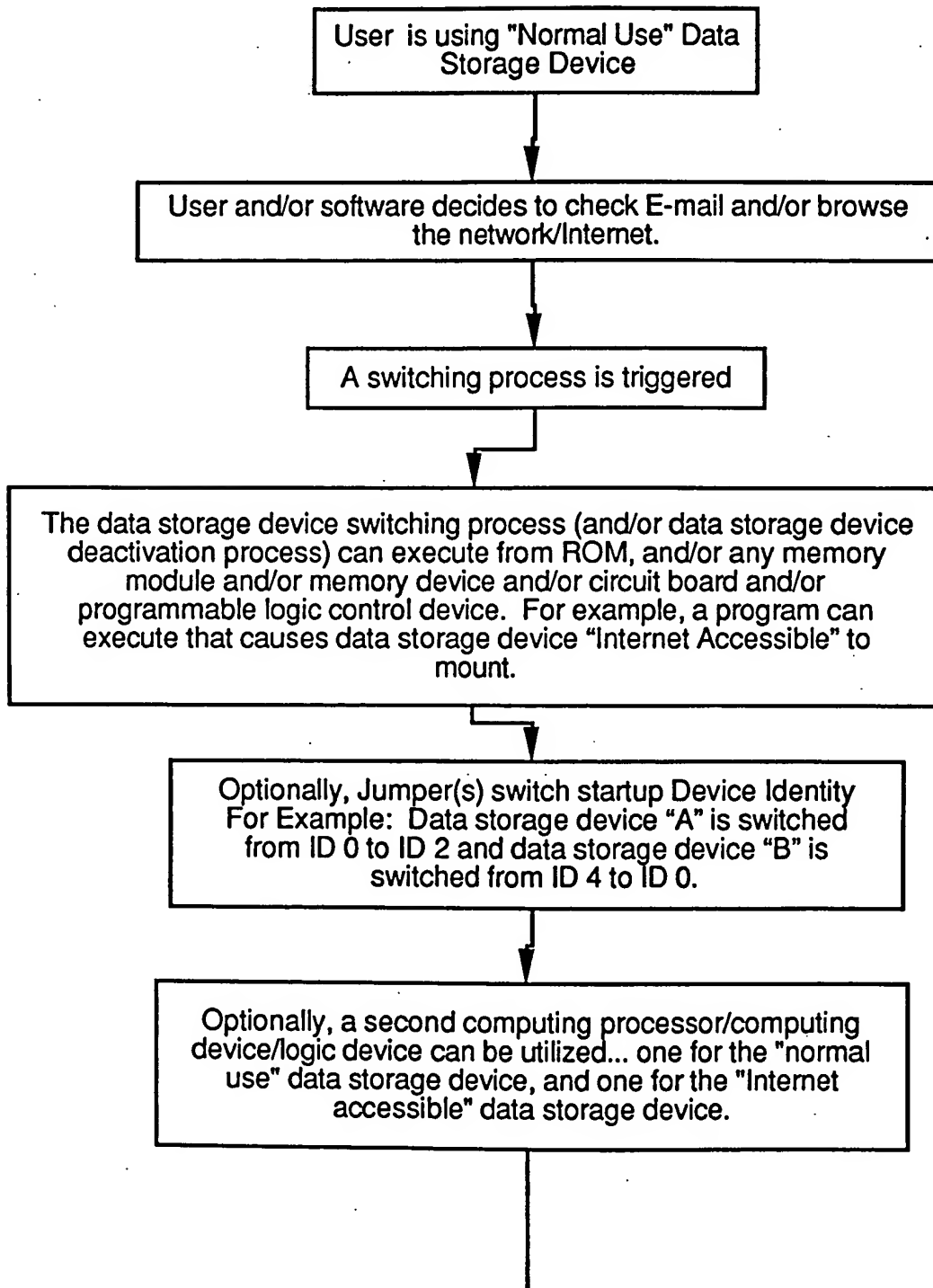
# FIGURE F66



**Figure F90**  
One example of  
Directional  
Data Flow Path







Sheet 6 of 10

Figure F200.2

Switching process deactivates Normal Use

Switching process activates Internet Accessible Data  
Storage Device

On programmed scheduled basis (such as hourly or  
daily) a program downloads anti-virus update data to the  
Internet accessible data storage device. This anti-virus  
data is automatically and/or manually transferred to the  
Quarantine data storage device by a software program.

Anti-virus software scans quarantine drive on  
programmed scheduled basis.

Sheet 7 of 10

Figure F200.3

E-mail is downloaded and/or Internet browsing occurs using programs located on the "Internet Accessible" Data Storage Device. Simultaneously, all downloaded data may be checked by the most current virus update.

Optionally, user can view and/or work on files on Internet Accessible Data Storage device. If this option is chosen:

Switching process activates quarantine data storage device

Data is moved to Quarantine data storage device on a programmed schedule and/or by user.

Optionally, instead of the user viewing and/or working on files on the Internet Accessible Data Storage Device, a "Temporary Work Area" data storage device or partition may be used for viewing and/or working on data that has been downloaded, or will be uploaded.

all downloaded/created files are moved by user and/or by software to the quarantine device on demand and/or on an schedule.

Data can be moved to the "Quarantine" data storage device and/or other data storage device by several methods. Examples

Comparison of data to a master template...  
changed files will be moved to quarantine data storage device

Sheet 9 of 10

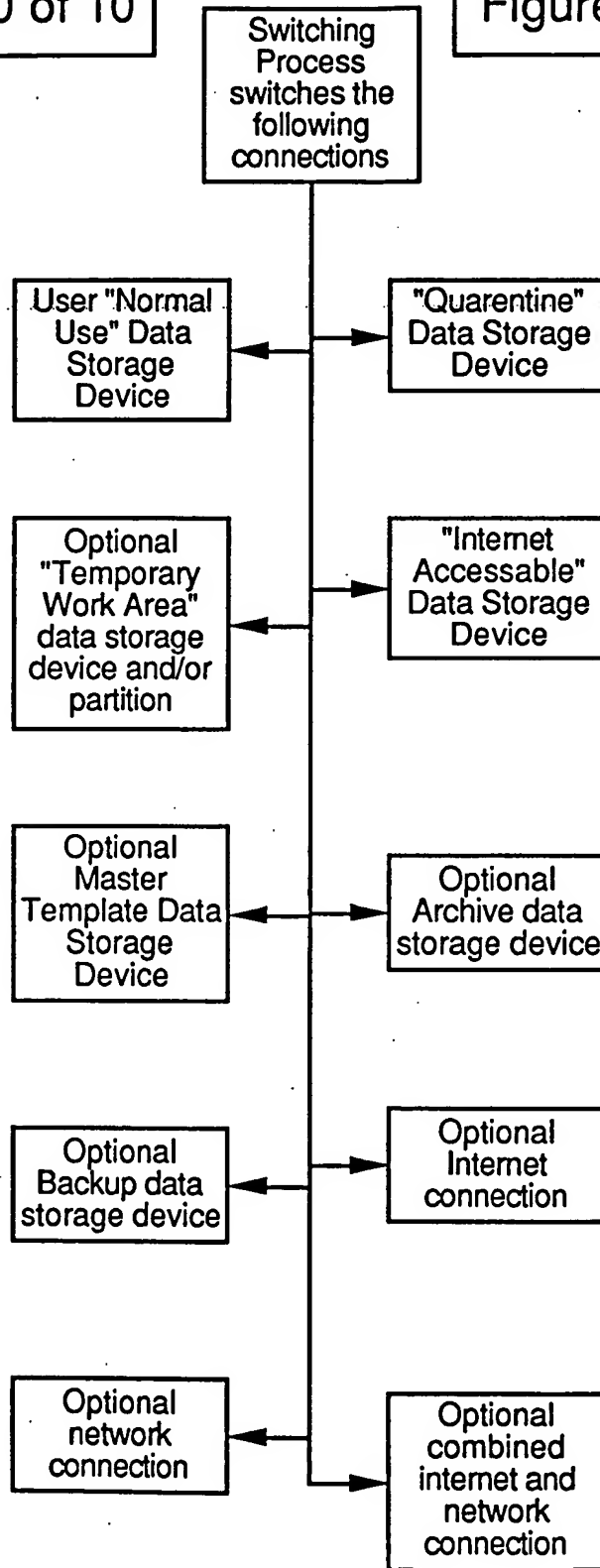
Figure F200.5

```
graph TD; A[Program can identify downloads and newly created documents and move them and/or save to quarantine and/or "Temporary work area" data storage device/partition.] --> B[Program can identify file types and/or date and creation time, and move based on those factors]; B --> C[Data is stored in the Quarantine Data Storage Device for a scheduled amount of time that may be varied. For example, Anti-Virus detection companies may issue anti-virus updates several days after a new virus has been released. For this reason a program may hold downloaded data in the quarantine data storage device until such time as updates are available.];
```

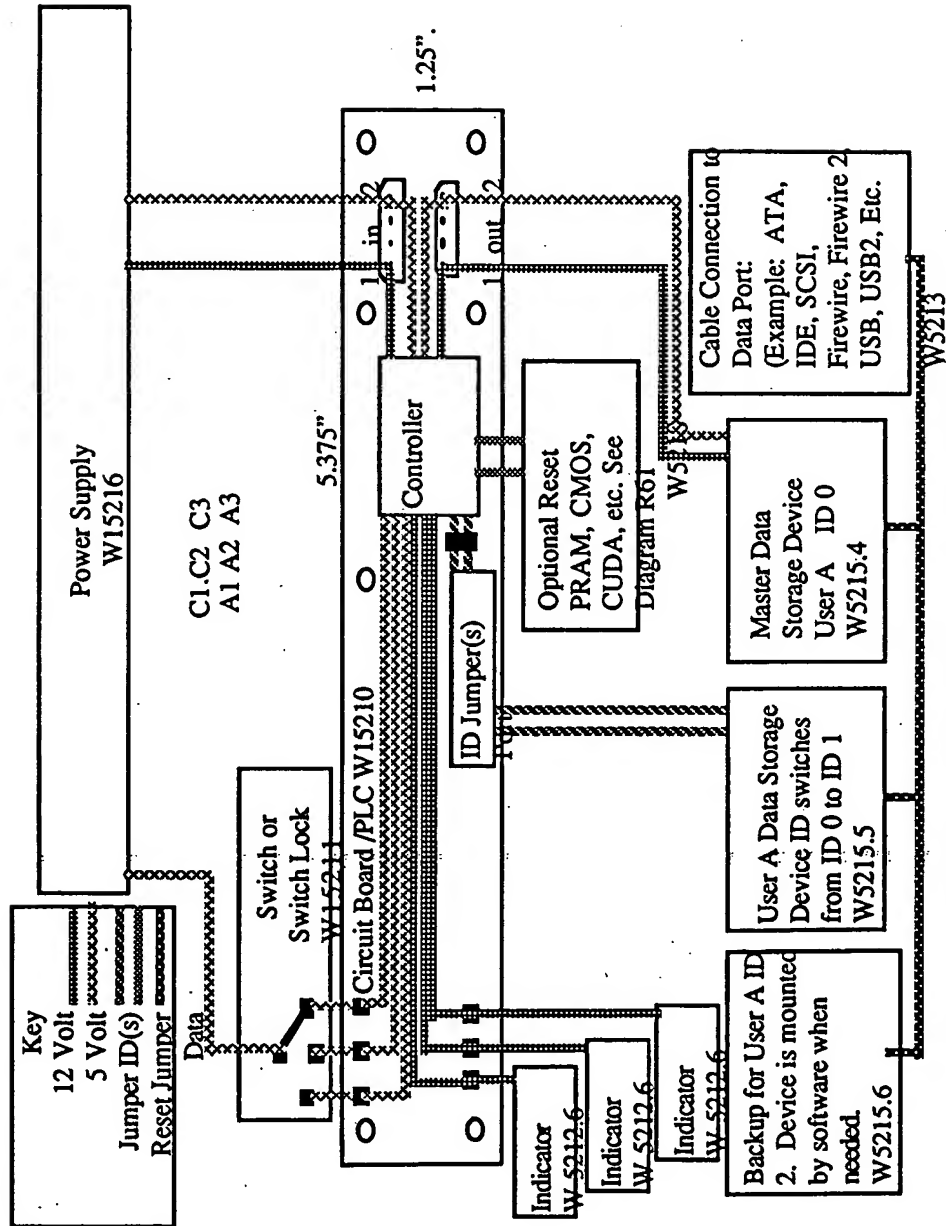
Program can identify downloads and newly created documents and move them and/or save to quarantine and/or "Temporary work area" data storage device/partition.

Program can identify file types and/or date and creation time, and move based on those factors

Data is stored in the Quarantine Data Storage Device for a scheduled amount of time that may be varied. For example, Anti-Virus detection companies may issue anti-virus updates several days after a new virus has been released. For this reason a program may hold downloaded data in the quarantine data storage device until such time as updates are available.



DRAMUS Figure W40  
Single-User & Repair



Multi-User & Repair & Automatic & Manual

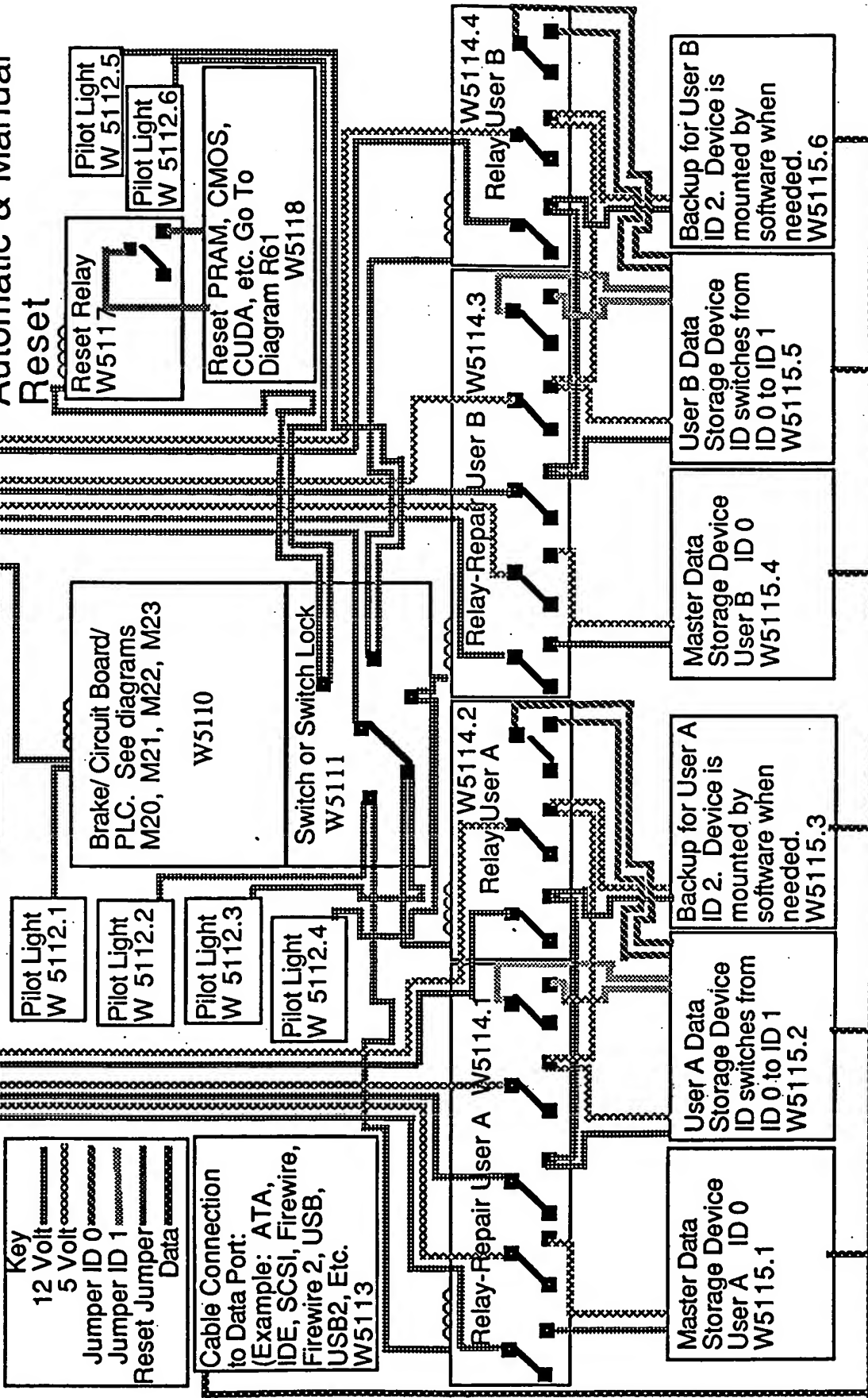
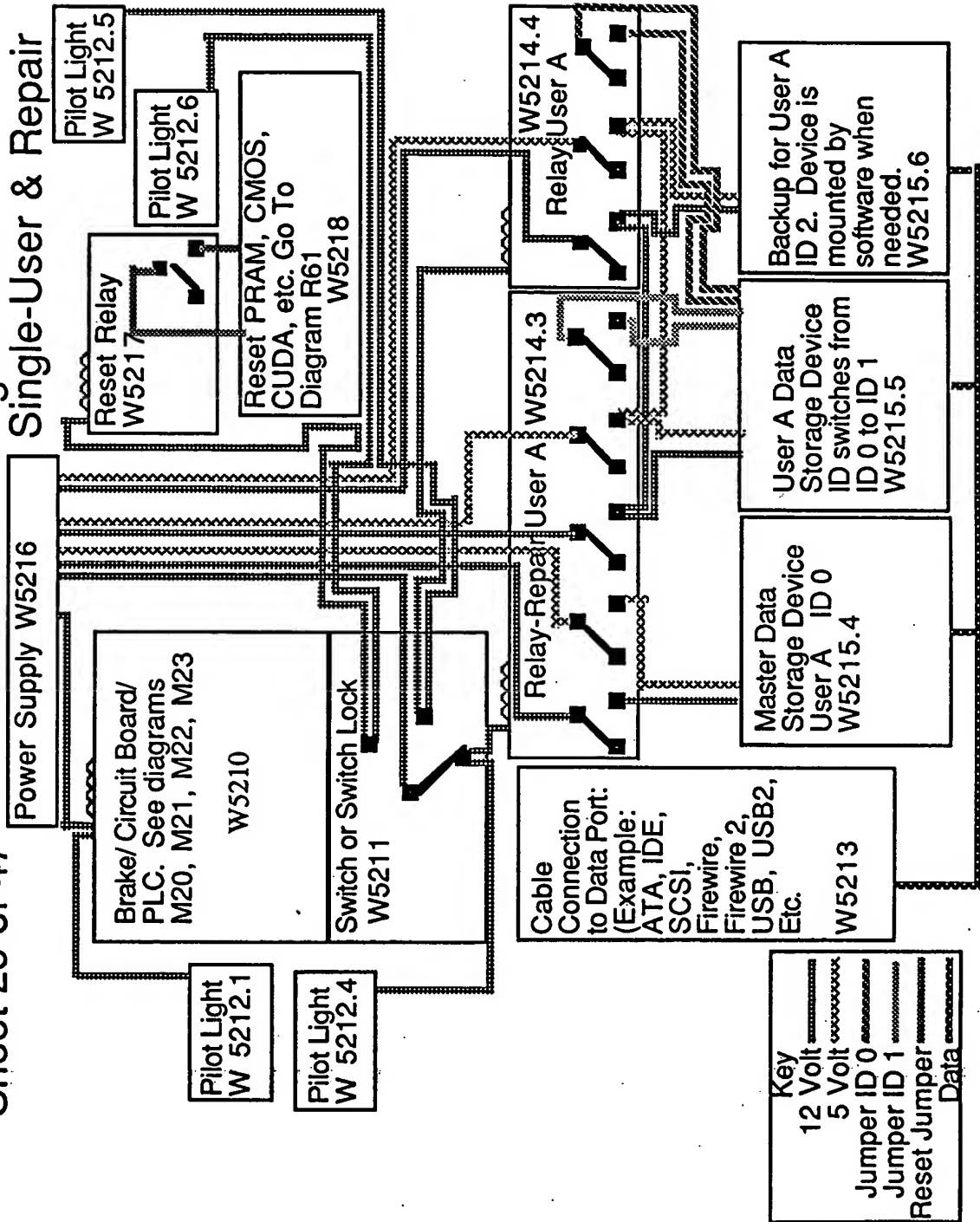
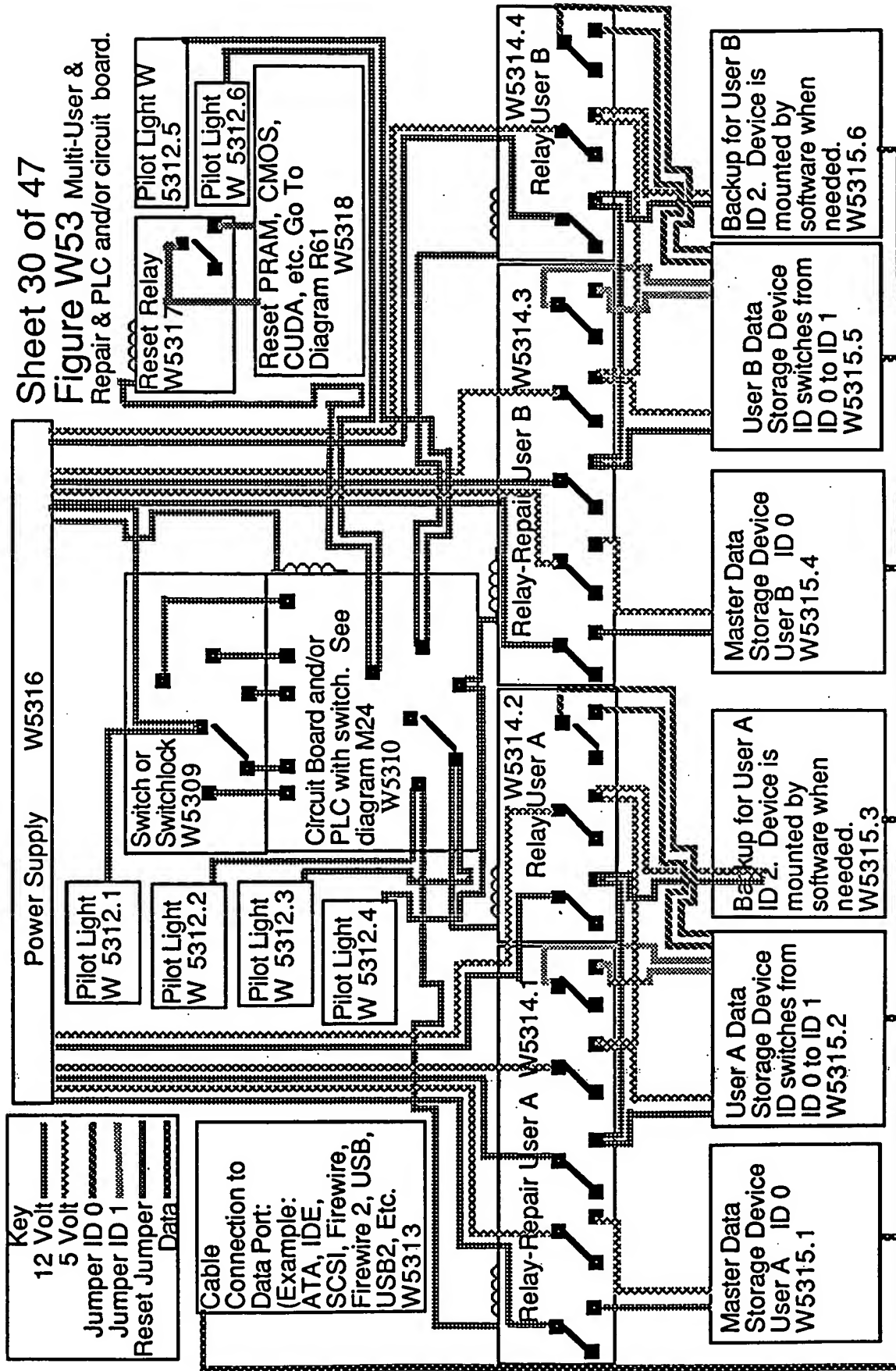




Figure W52  
Single-User & Repair





Cable Connection to Data Port: (Example: ATA, IDE, SCSI, Firewire, Firewire 2, USB, USB2, Etc. W5513

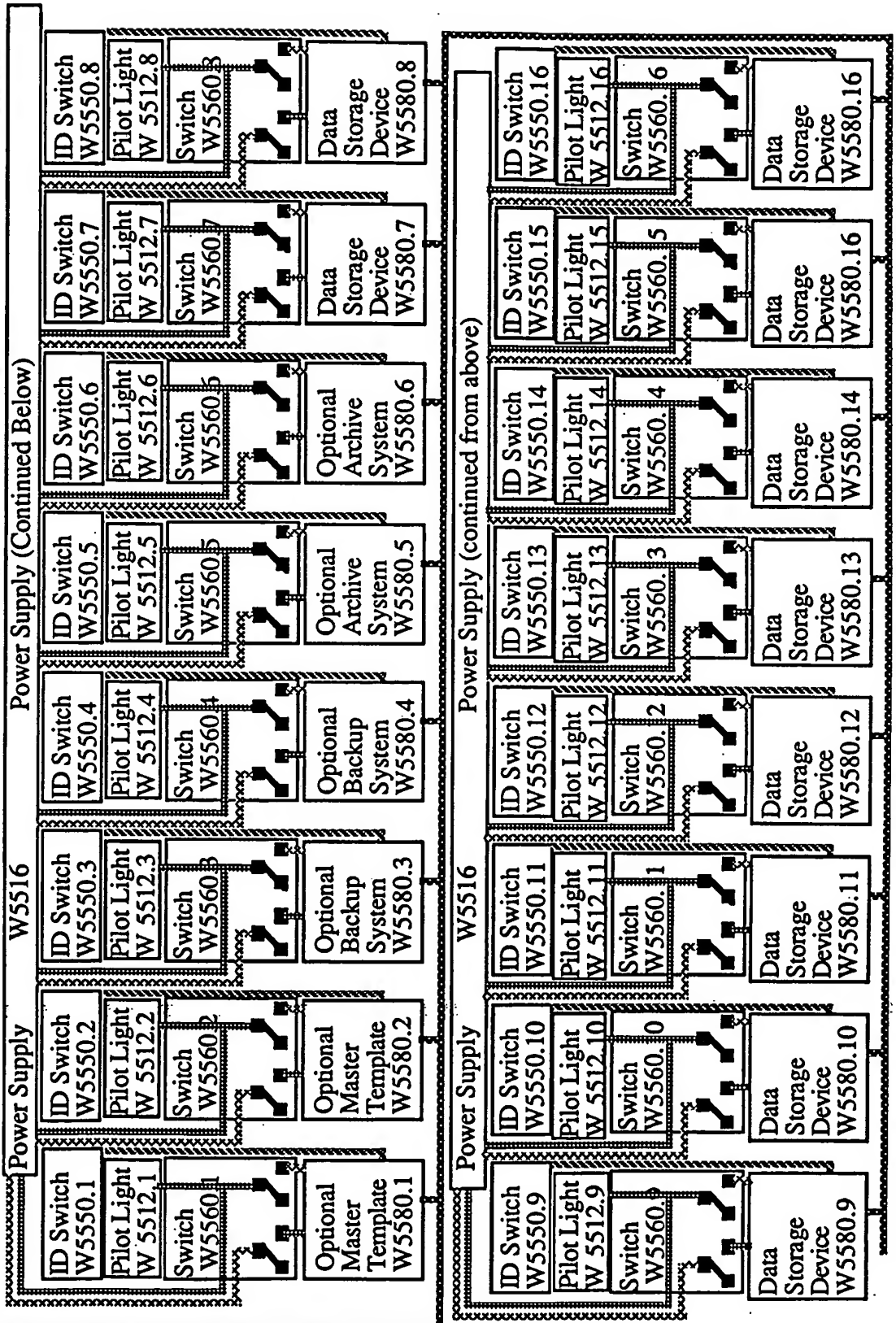
Key 12 Volt 5 Volt Bundle of ID Jumpers Reset Jumper W5519 Data W5518

Reset PRAM, CMOS, CUDA, etc. See Diagram R61 W5517

Sheet 31 of 47

Figure W55

Multiple Data Storage Devices & Repair



### Figure W56

## Multiple Data Storage Devices & Repair

## No ID Switch

## Key

**2 Volts**

## 5 Volt\*

**mpers\***

umper

**Data.**

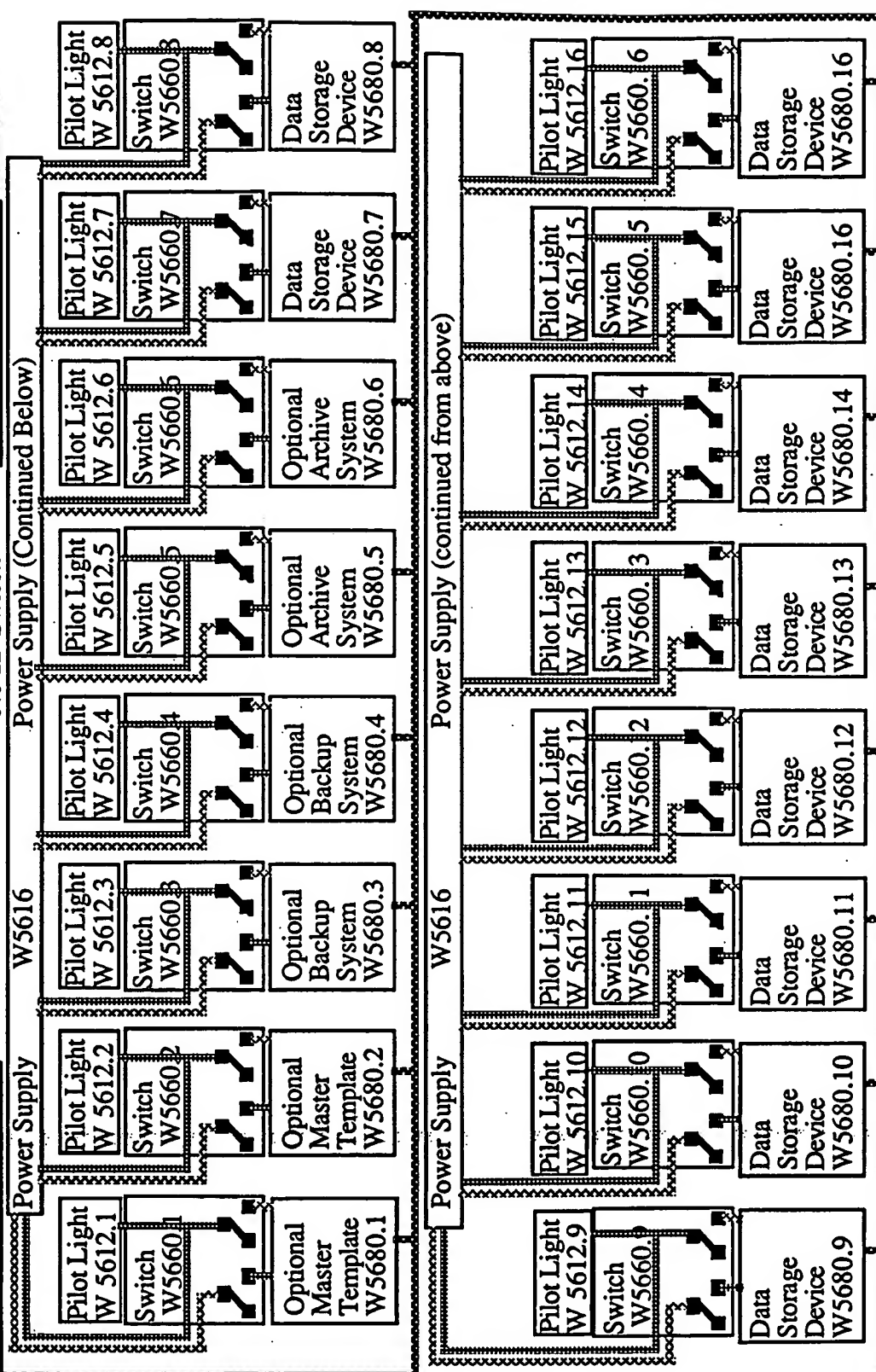
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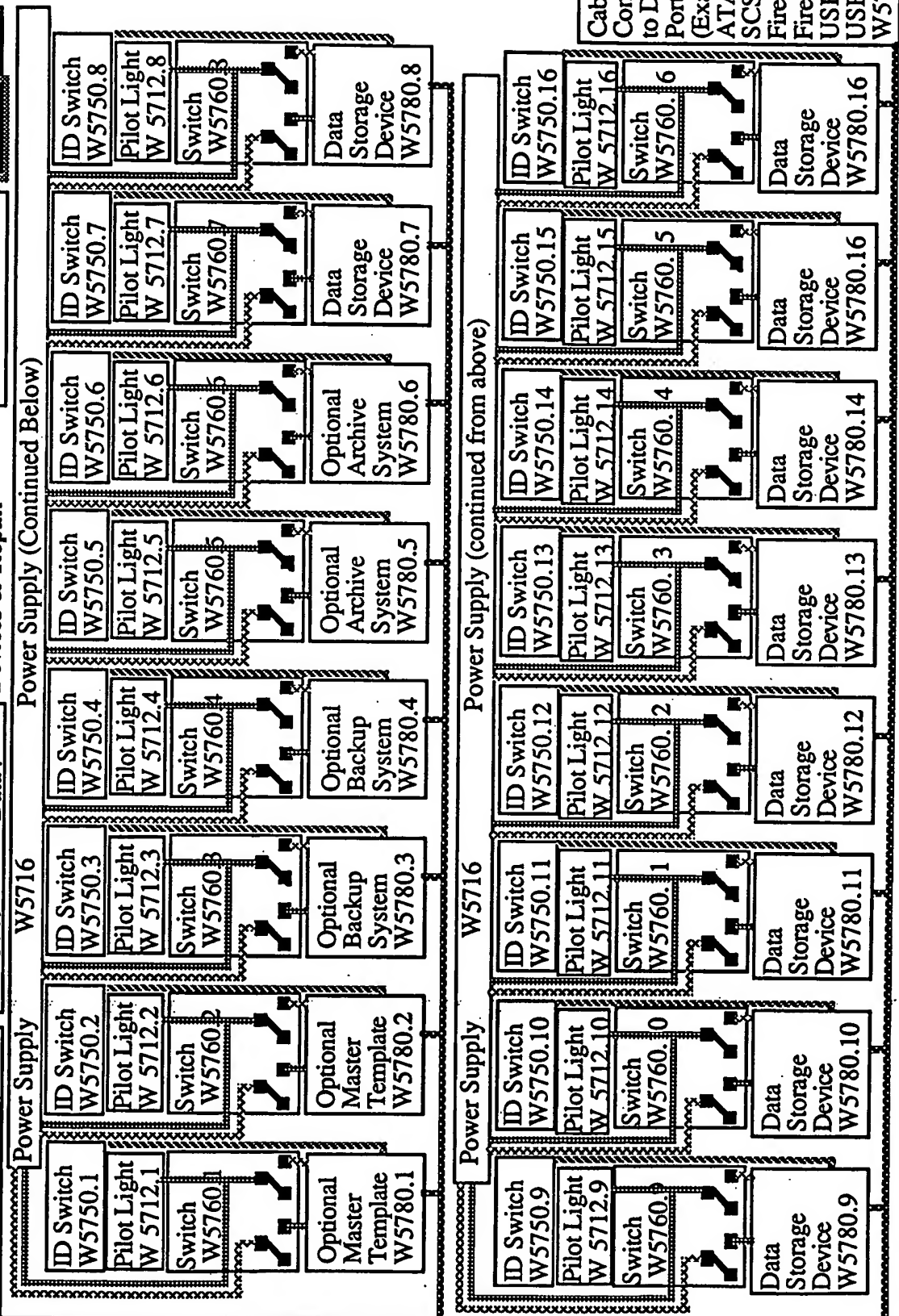
25

**Cable Connection to Data Port: (Example: ATA, IDE, SCSI, Firewire, Firewire 2, USB, USB2, Etc. W5613**

**Reset PRAM, CMOS,  
CUDA, etc. See  
Diagram R61 W5618**

Switch W5617





Key	Wire #1	Wire #2	Wire #3	Wire #4	Reset Jumper
W5819	Reset Jumper				

DRAMUS  
Figure W58  
Reset Hot Swap Device

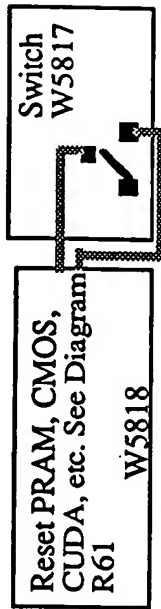
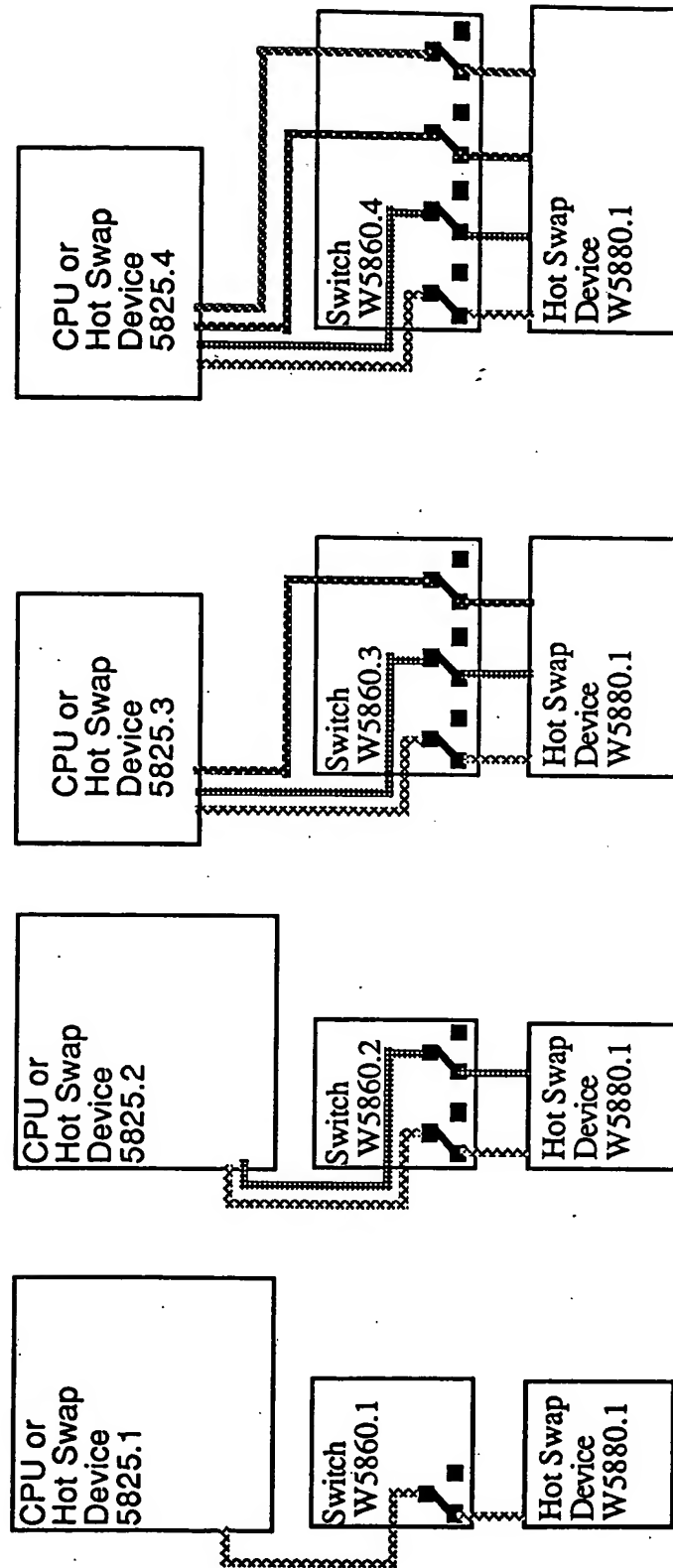
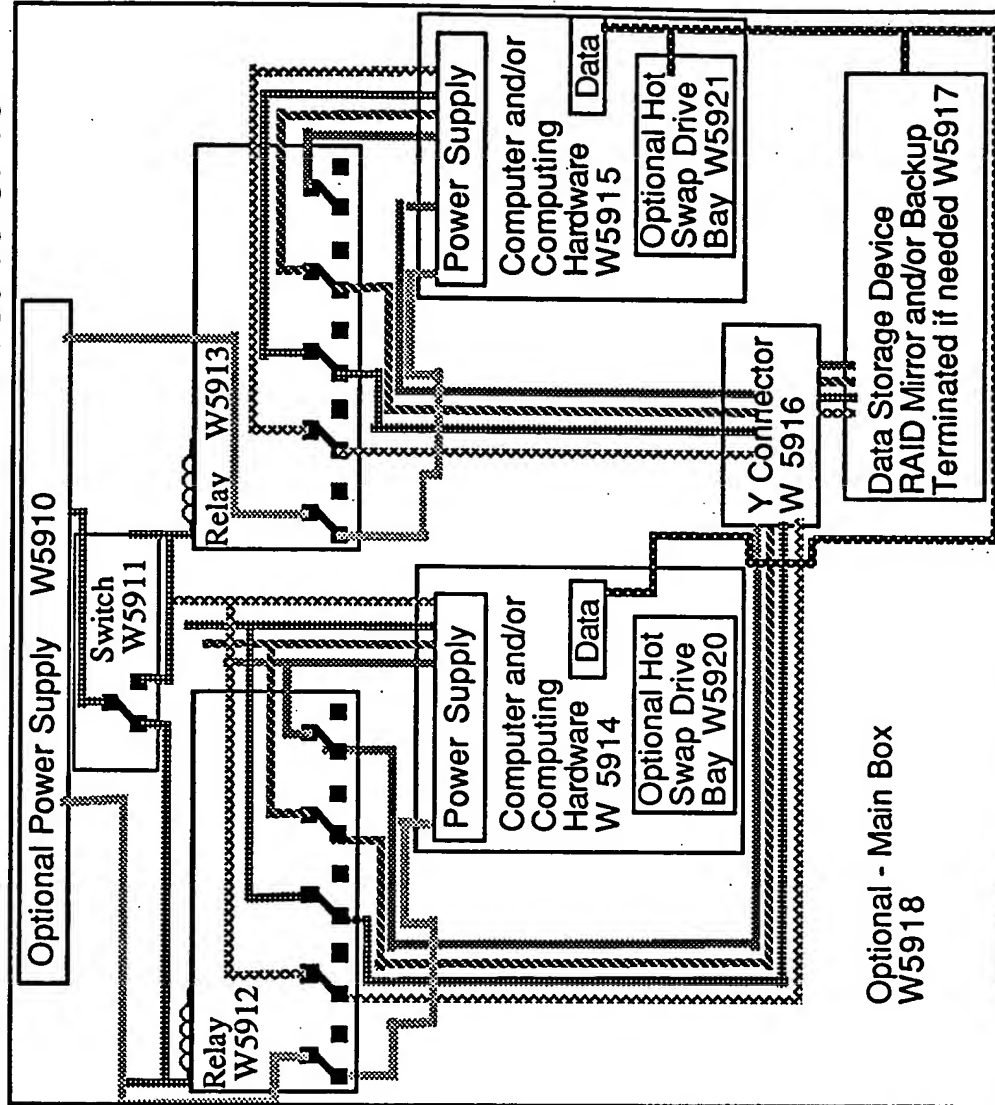


Figure W58



**Figure W59**  
used for switching  
computers/computing  
Hardware

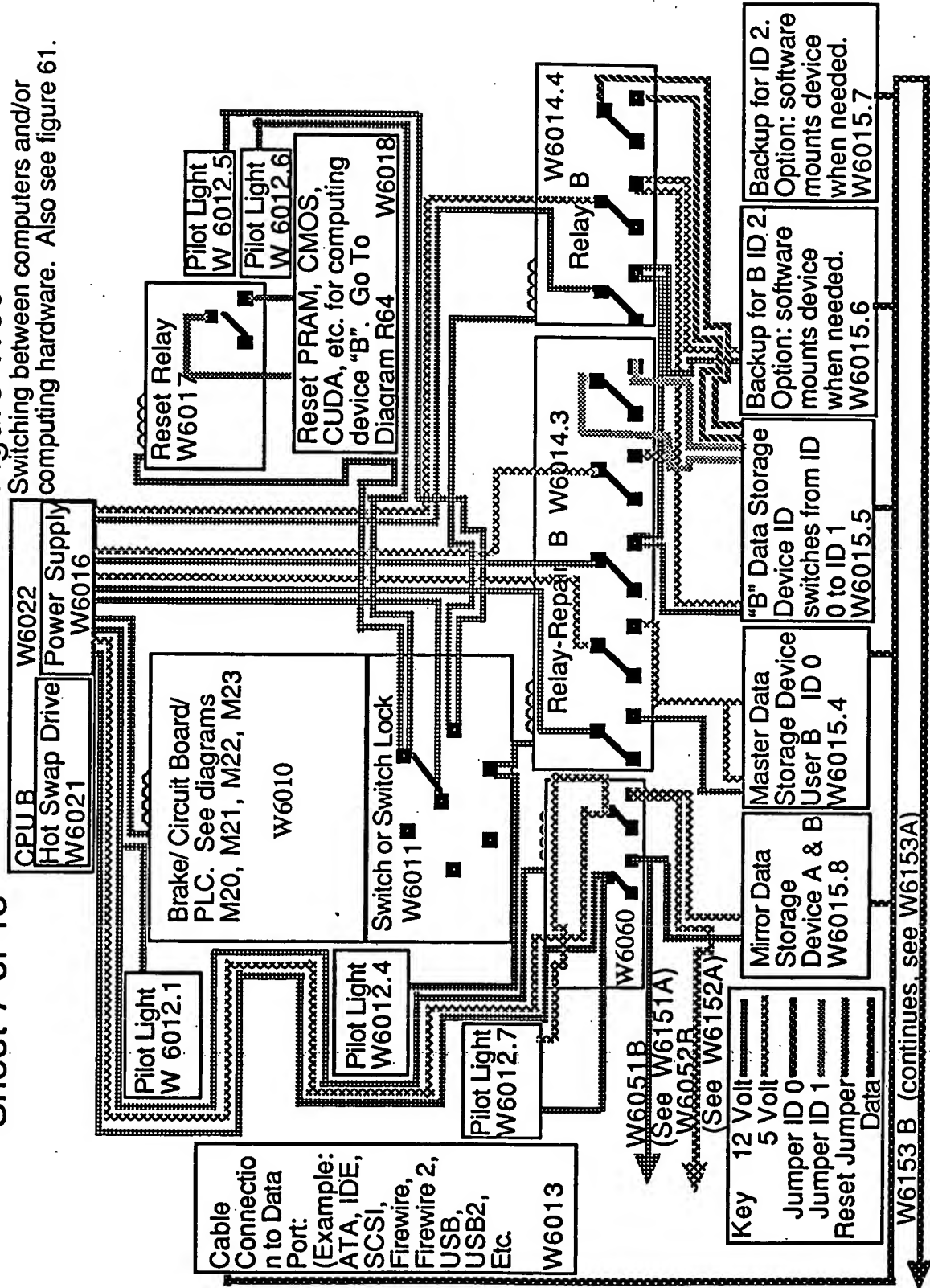


Key	12 Volt
	5 Volt
	Ground
	Ground
	Data
W5519	Power
Power	10/220/12V



Figure W60

Switching between computers and/or computing hardware. Also see figure 61.





**Figure W61**  
Switching between  
computers and/or  
computing hardware.

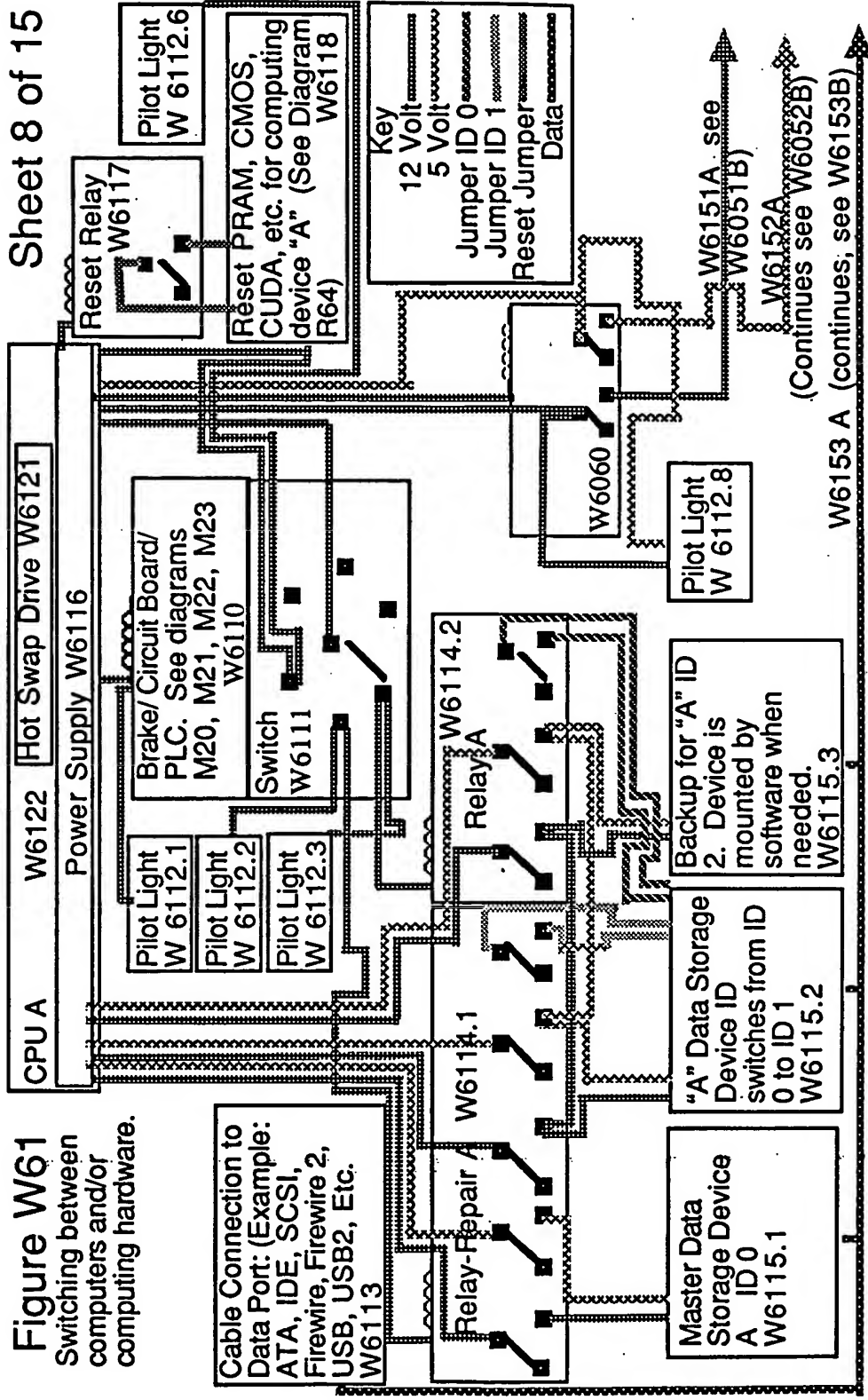
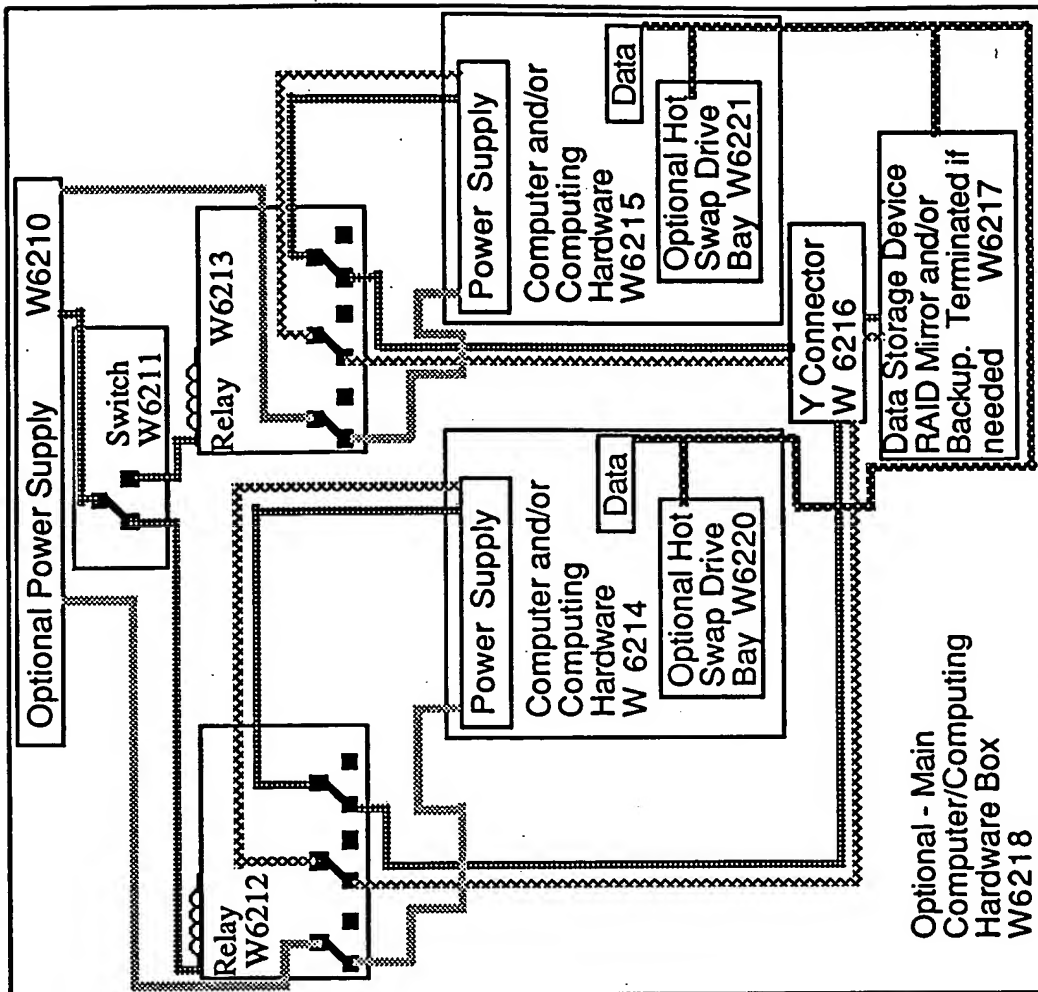


Figure W62  
used for switching  
computers and/or  
computing  
Hardware



Key	12 Volt
	5 Volt
	Ground
	Ground
	Data
W5519	
Power Ic:110/220/12V	

Key	Wire #1	Wire #2	Wire #3	Wire #4	Reset Jumper
W6419	Reset Jumper				

DRAMUS  
Figure W64  
Switch connection to global  
computer/communication  
network, and other networks.

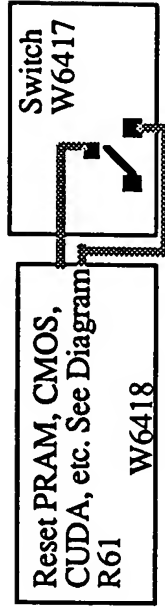
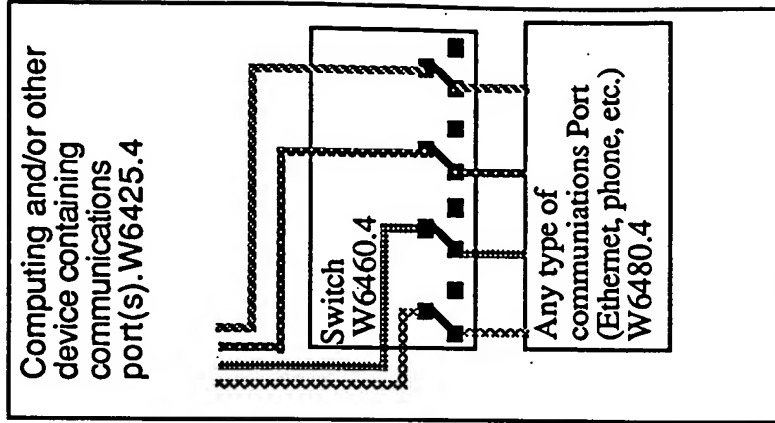
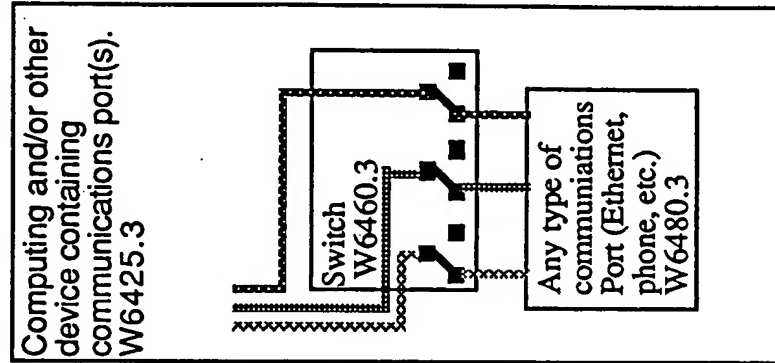
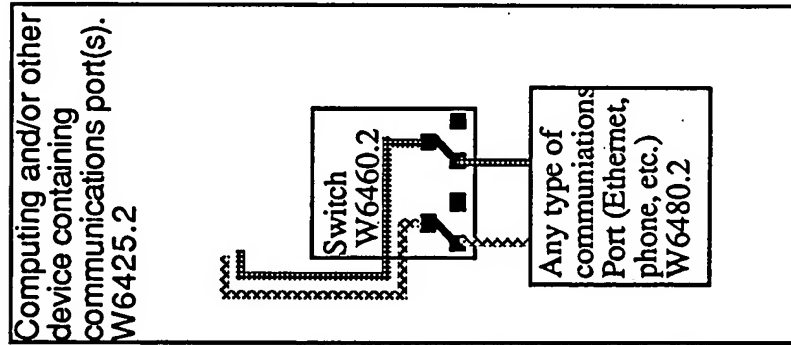
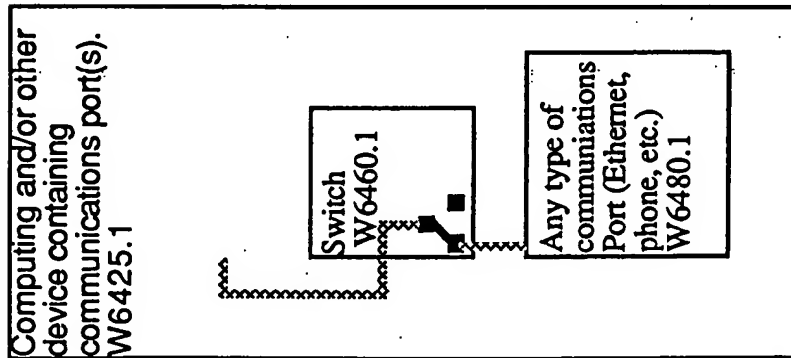



Figure W64





Switch  
W6417

**Optional Reset PRAM,  
CMOS, CUDA, etc. See  
Diagram R61  
W6418**

**R61**  
**W6418**

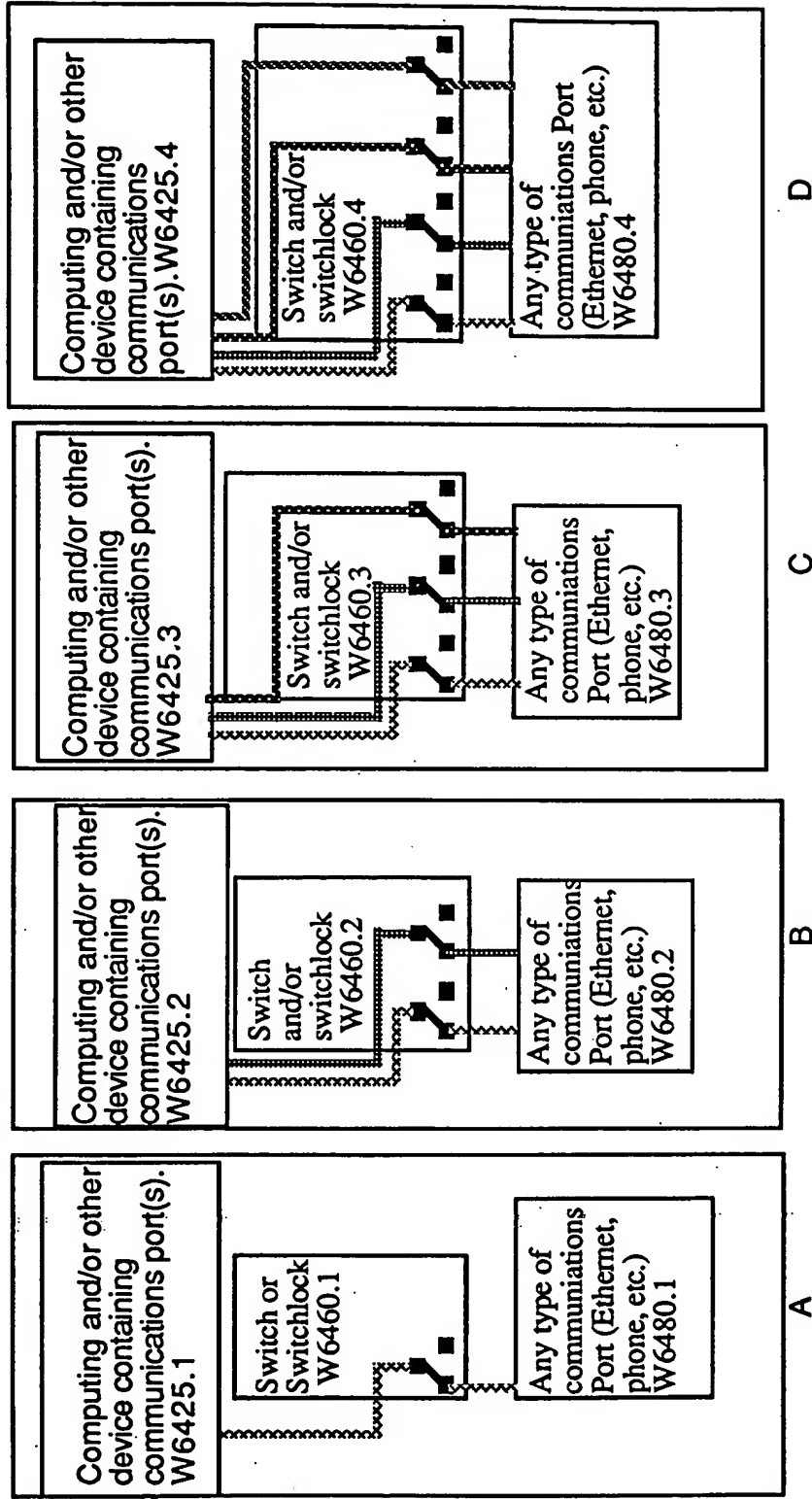
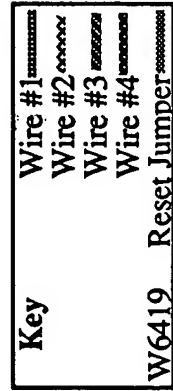
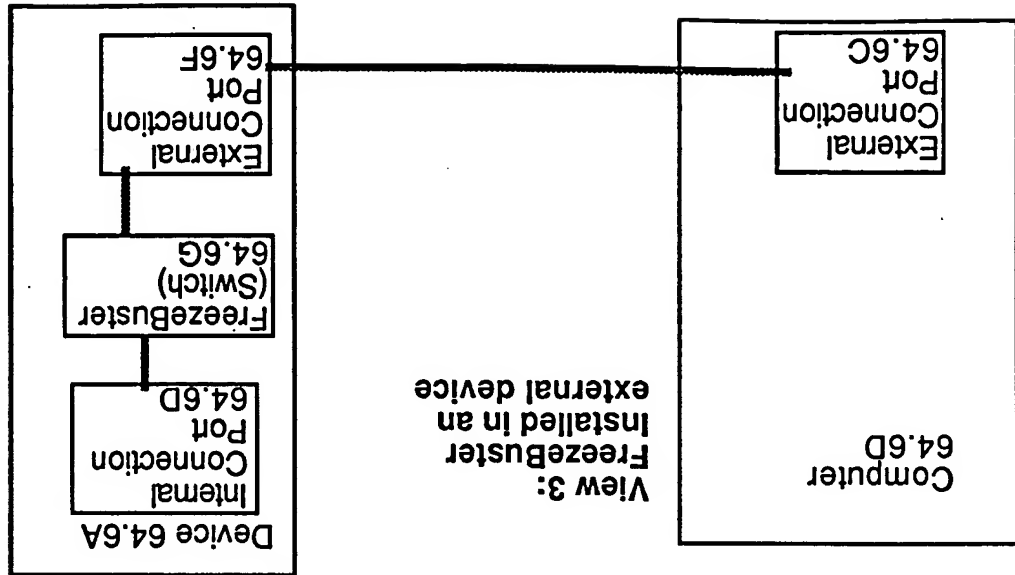
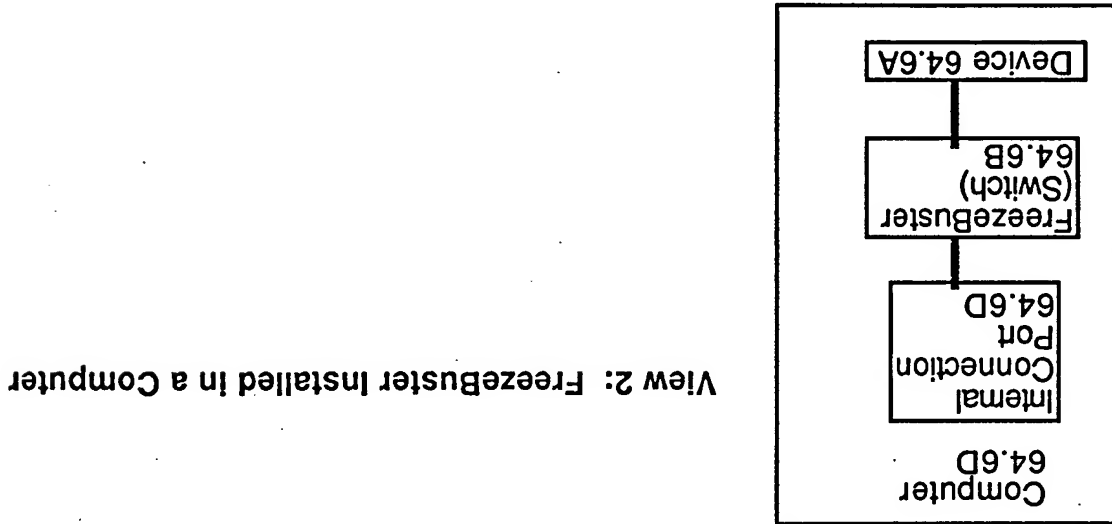
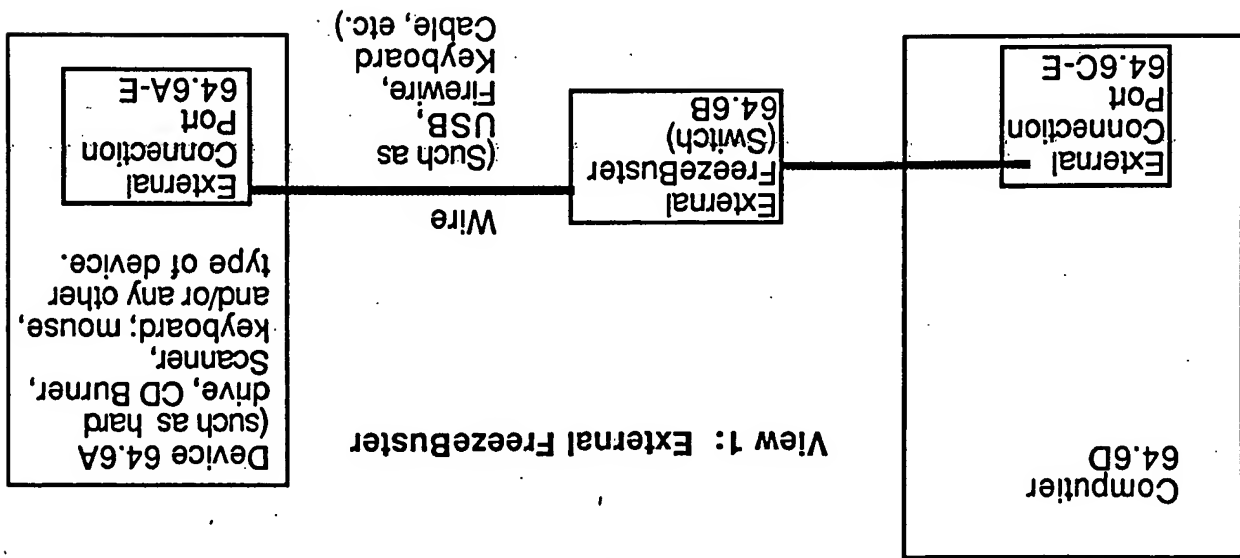


Figure W 64.6 Sheet 10 of 10



# Figure W65

DRAMUS used for switching  
computers/computing Hardware  
Separate "anti-virus" E-mail CPU  
with separate "non-E-mail CPU"

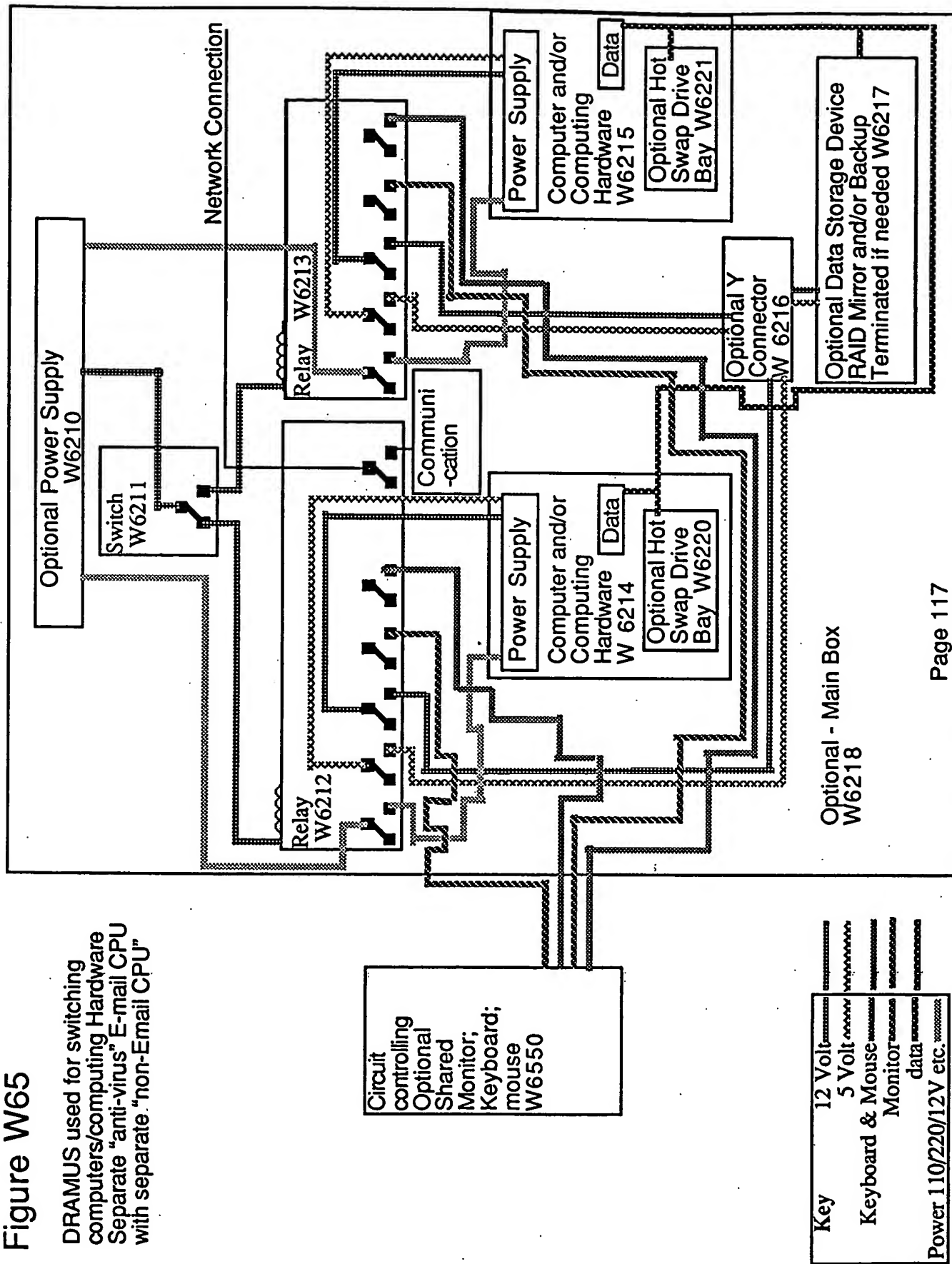
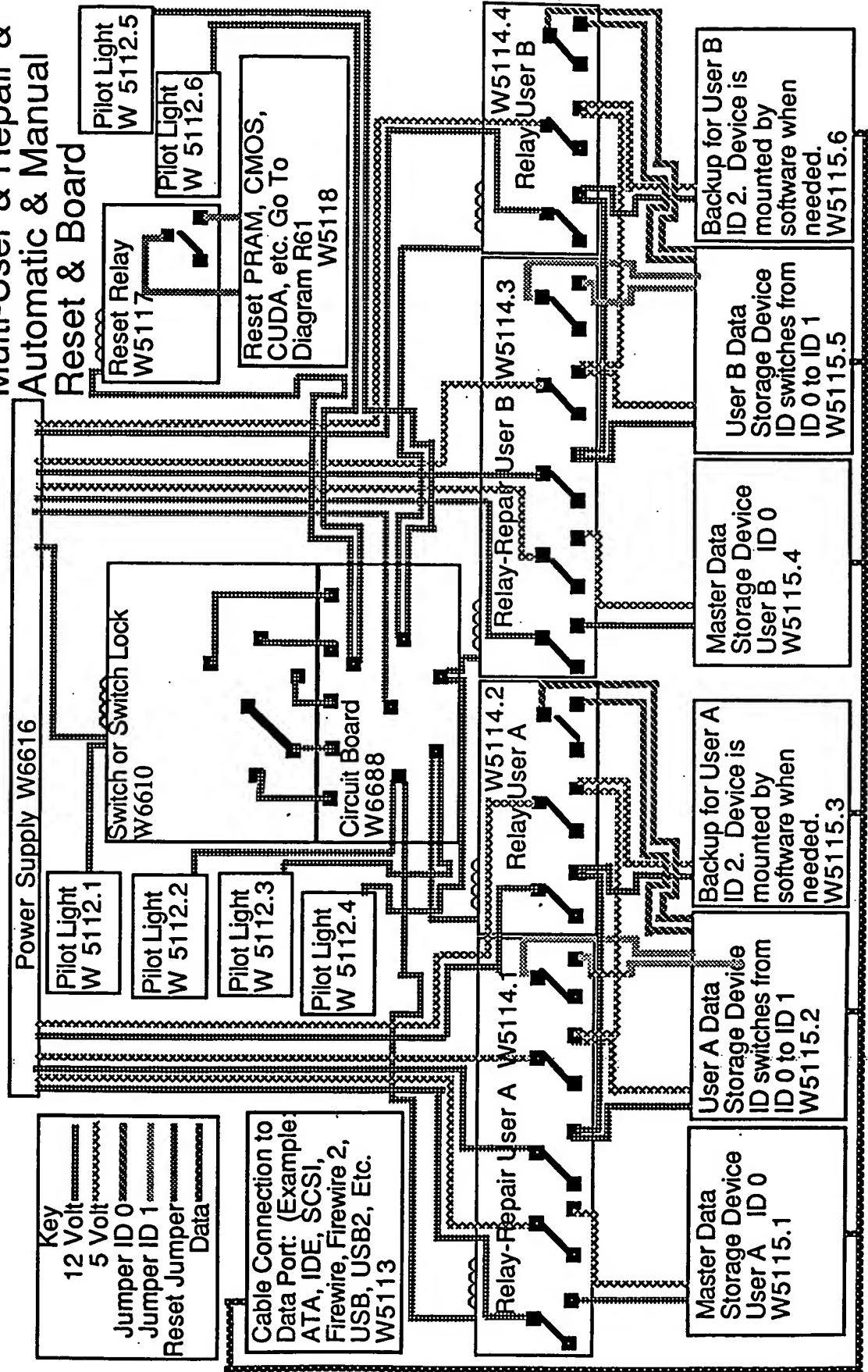


Figure W66  
Multi-User & Repair &  
Automatic & Manual  
Reset & Board

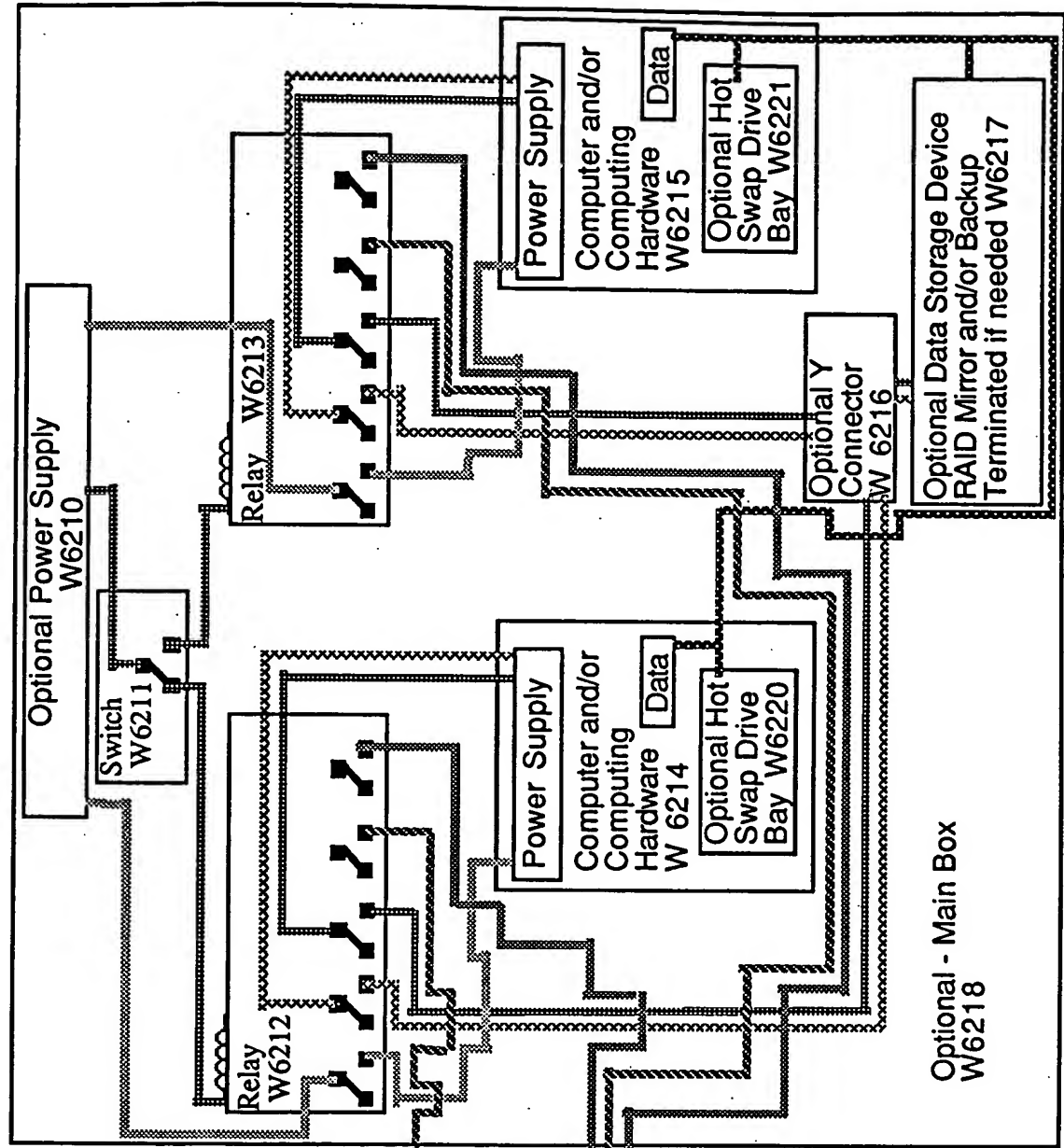
Sheet 18 of 29



# Sheet of

## Figure W67

DRAMUS used for switching  
computers/computing Hardware  
Separate "anti-virus" E-mail  
CPU with separate "non-E-mail  
CPU"



Circuit  
controlling  
Optional  
Shared  
Monitor;  
Keyboard;  
mouse  
W6550

Key	12 Volt
	5 Volt
Keyboard & Mouse	
Monitor	
data	
Power 110/220/12V etc.	

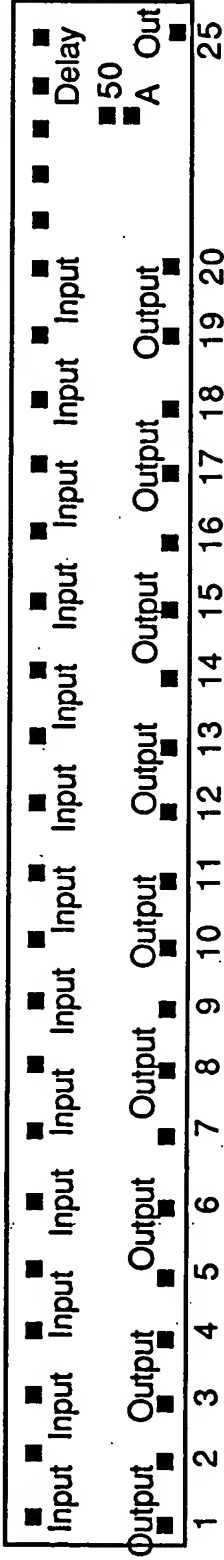


# Figure W68

## Sheet 19 of 29

Optional Circuit Board  
and Socket Assembly

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25



- 1) circuit 1
- 2) circuit 2
- 3) circuit 3
- 4) circuit 4
- 5) circuit 5
- 6) circuit 6
- 7) circuit 7
- 8) circuit 8
- 9) circuit 9
- 10) circuit 10
- 11) circuit 11
- 12) circuit 12
- 13) circuit 13
- 14) circuit 14
- 15) circuit 15
- 16) circuit 16
- 17) circuit 17
- 18) circuit 18
- 19) circuit 19
- 20) circuit 20
- 21) Power Control Indicator #21
- 22) Power Control Indicator #22
- 23) Power Control Indicator #23
- 24) Power Control Indicator #24
- 25) Power Control Indicator #25
- 26) time delay circuit
- 27) Data and power to LCD screen and/or data for computer monitor and/or to computer.
- 28) Power to board
- 40) delay start time for delay circuit
- 41) stop time for delay circuit
- 50) jumper "A"

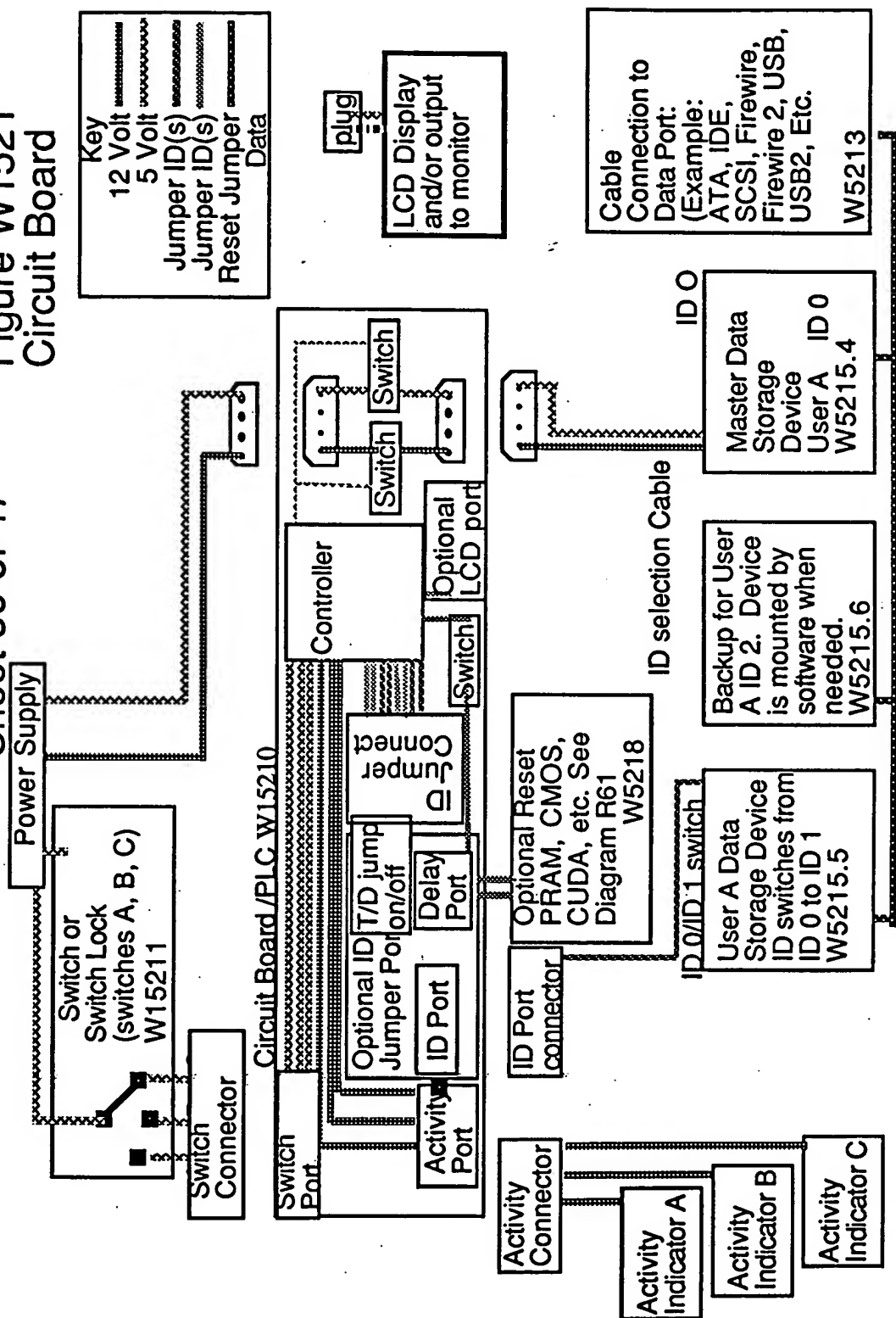
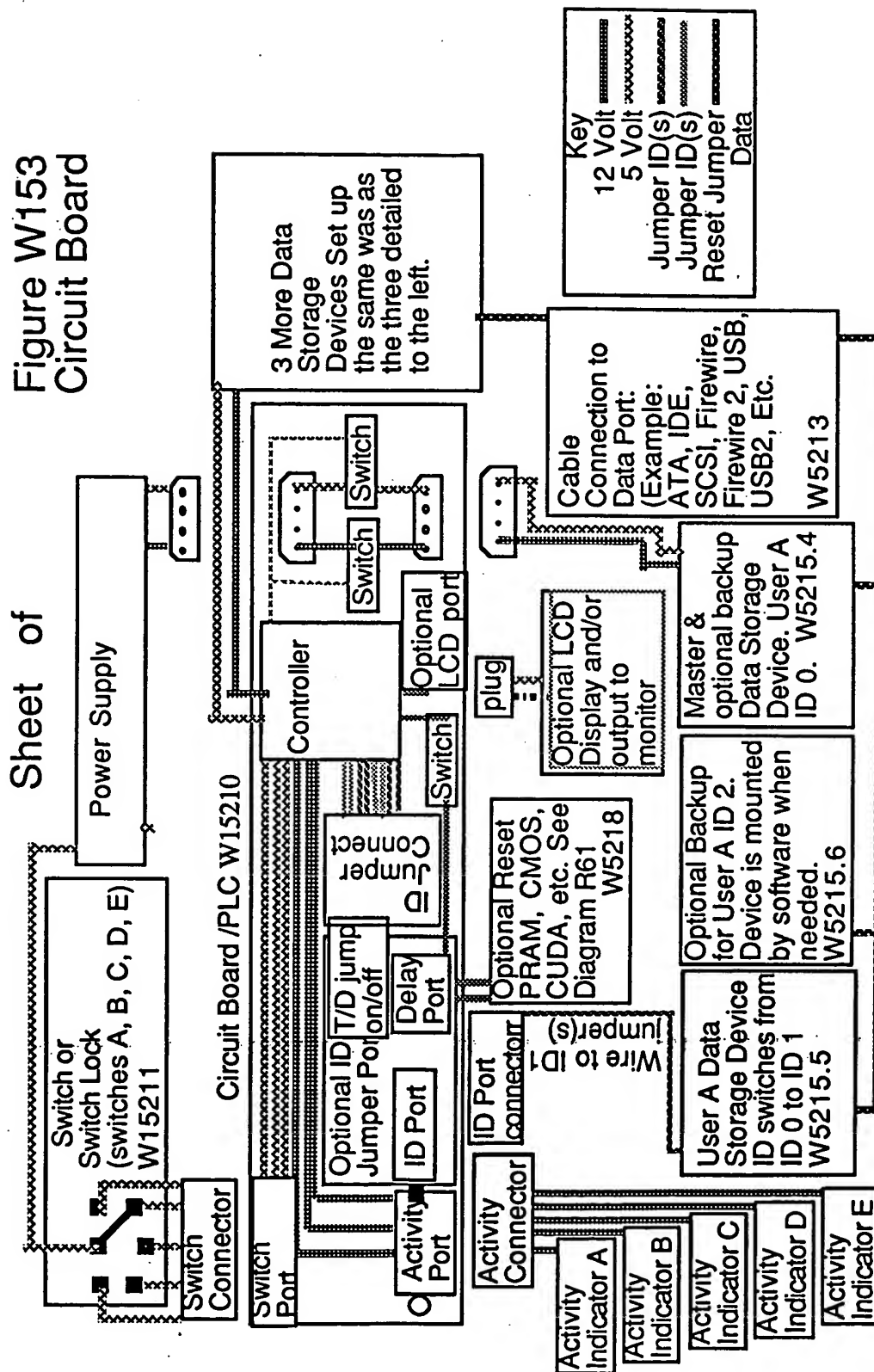
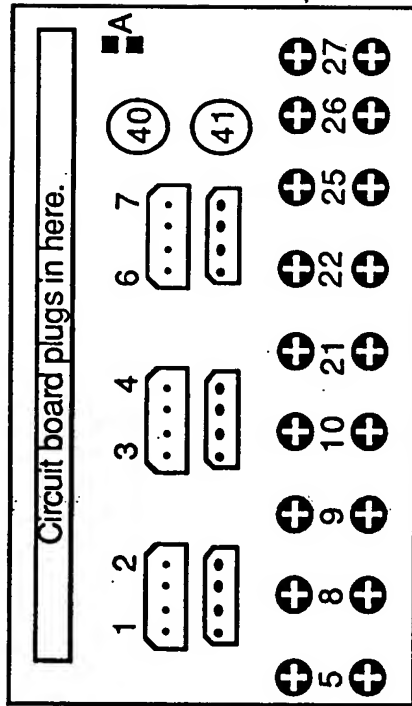
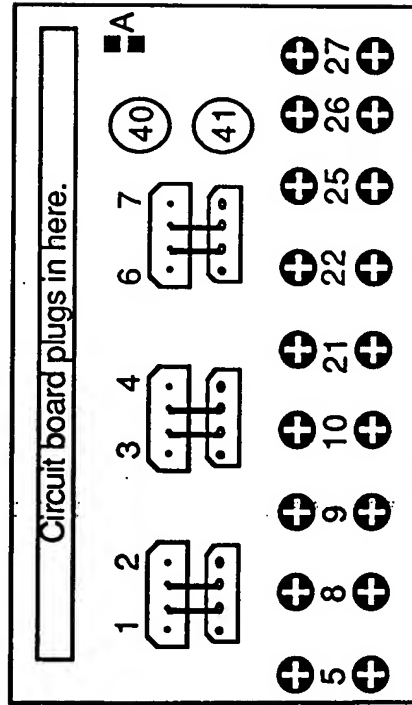


Figure W153  
Circuit Board



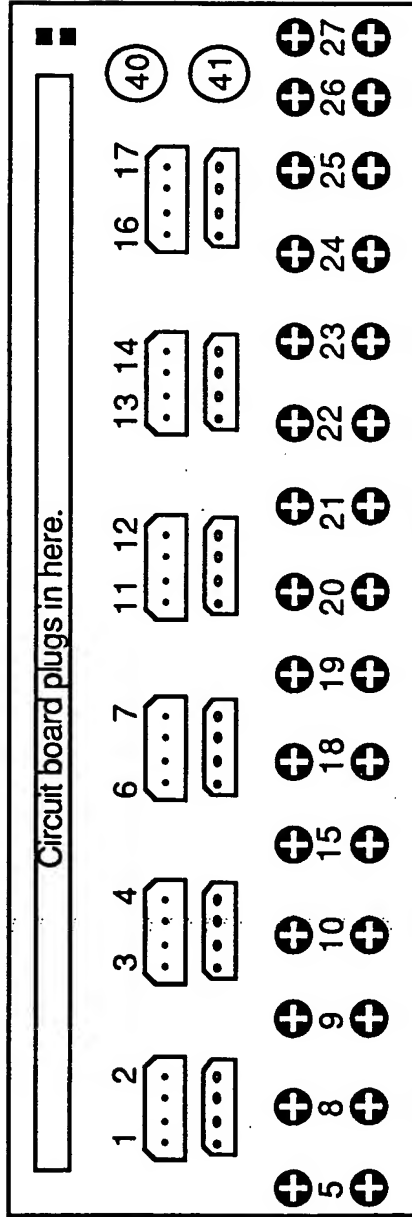


Socket Top View



Bottom View of Power Sockets--Jumpers  
on bottom of socket neutral terminals

Socket Top View



Bottom View of Power Sockets--Jumpers on bottom of socket neutral terminals

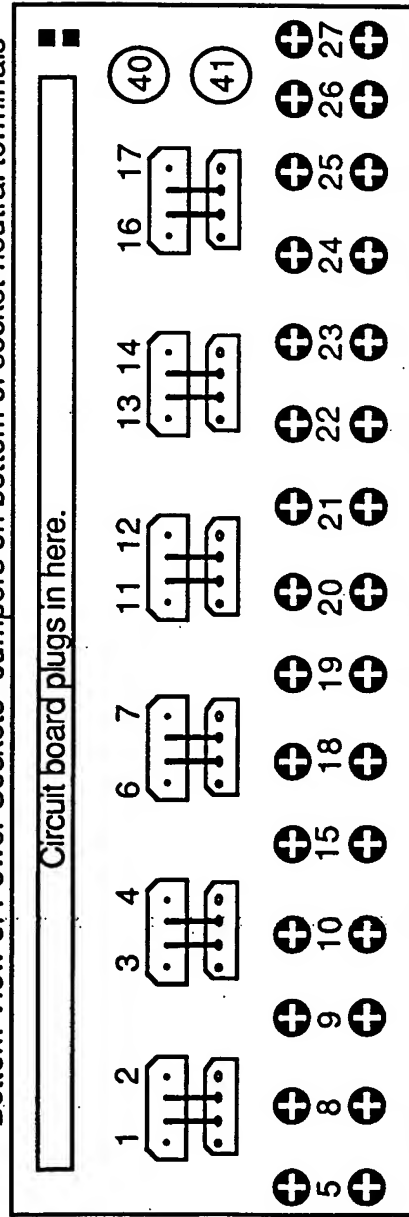
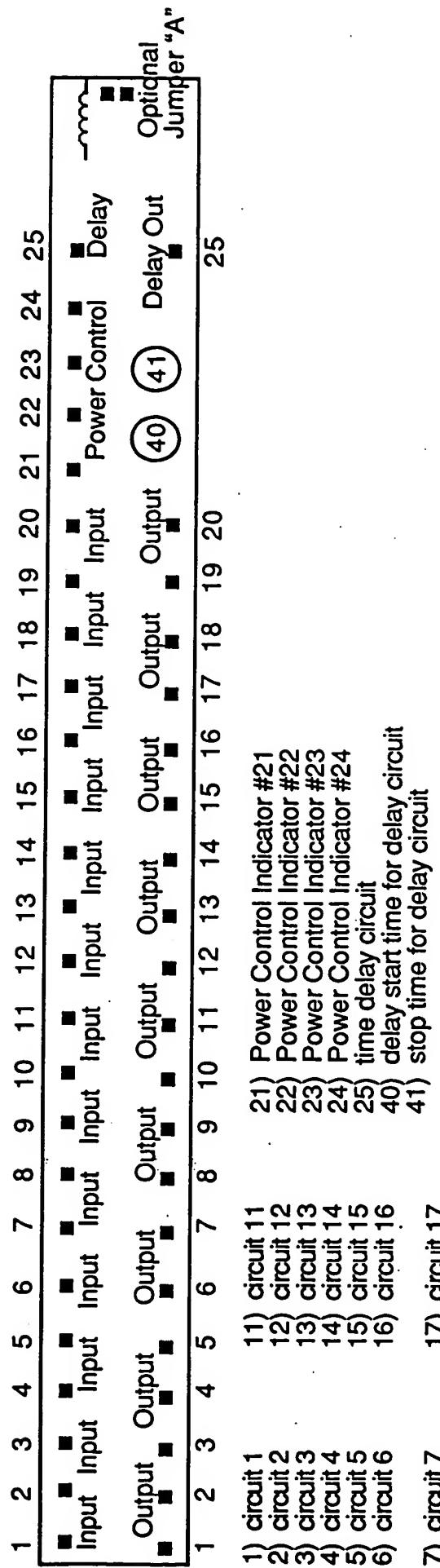


Figure W170 REDUNDANT???



BURPMU may need 4/22/01: Circuit board 7/15/2000

Sociket Top View

Neutrals bypass the Circuit board.... bottom view of neutrals

# FIGURE 175

FEMALE JACK

Example of device to Switch and/or lock a network connection "on" or "off"

MALE PLUG (removable type)

FEMALE JACK

MALE PLUG

TO NETWORK

ETHERNET CABLE

Example of "Net-Lock" device

[NOTE: COULD ALSO BE RS11 PLUGS + JACKS AND A MODEM]

DATA SIGNAL REDIRECTED THROUGH SWITCHING SYSTEM

(NOT TO SCALE)

SWITCH SYSTEM

Switch lock for toggle (lockable)

connects to Computer

NETWORK INTERFACE CARD

1 on off

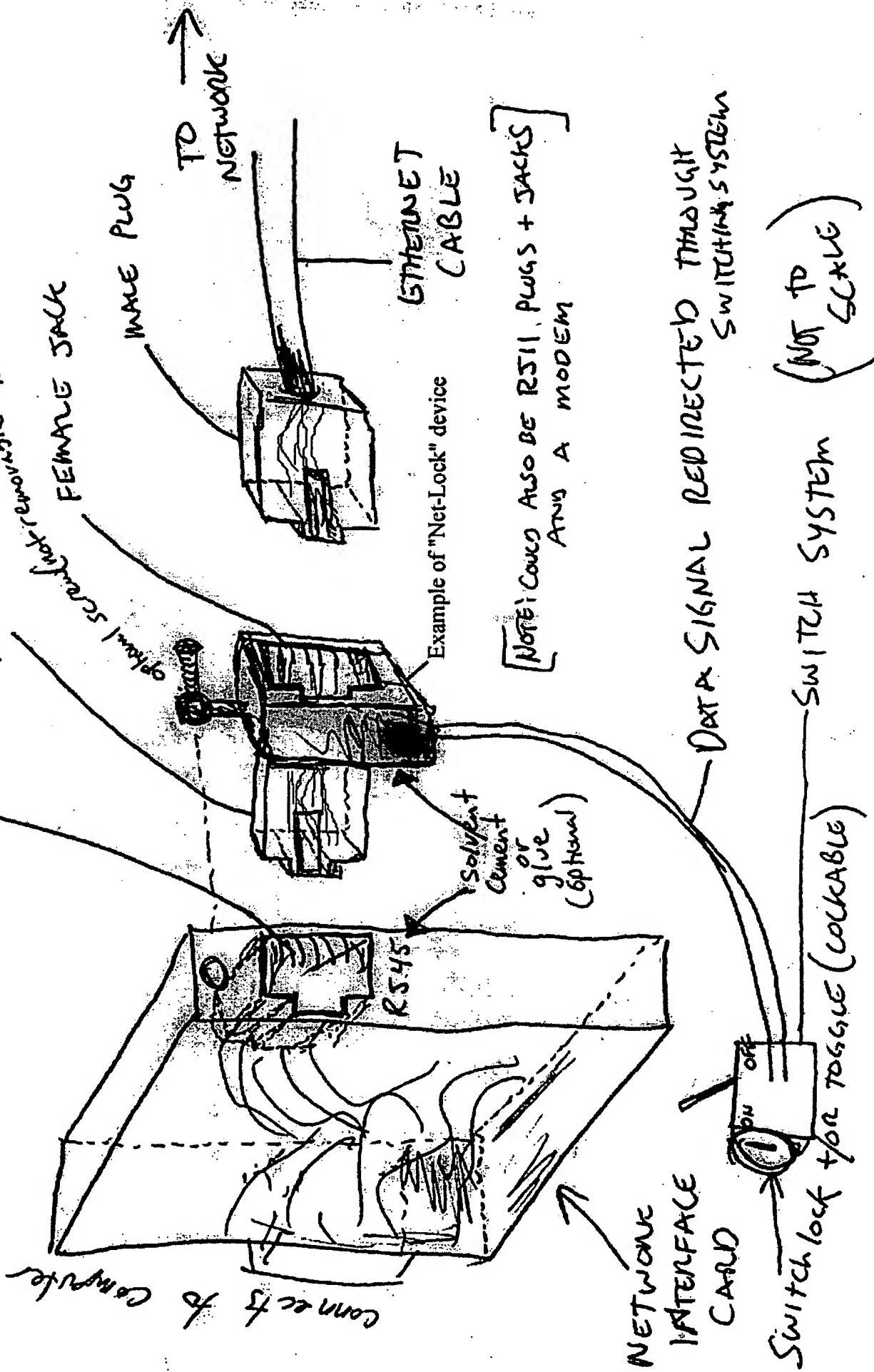


FIGURE  
W176

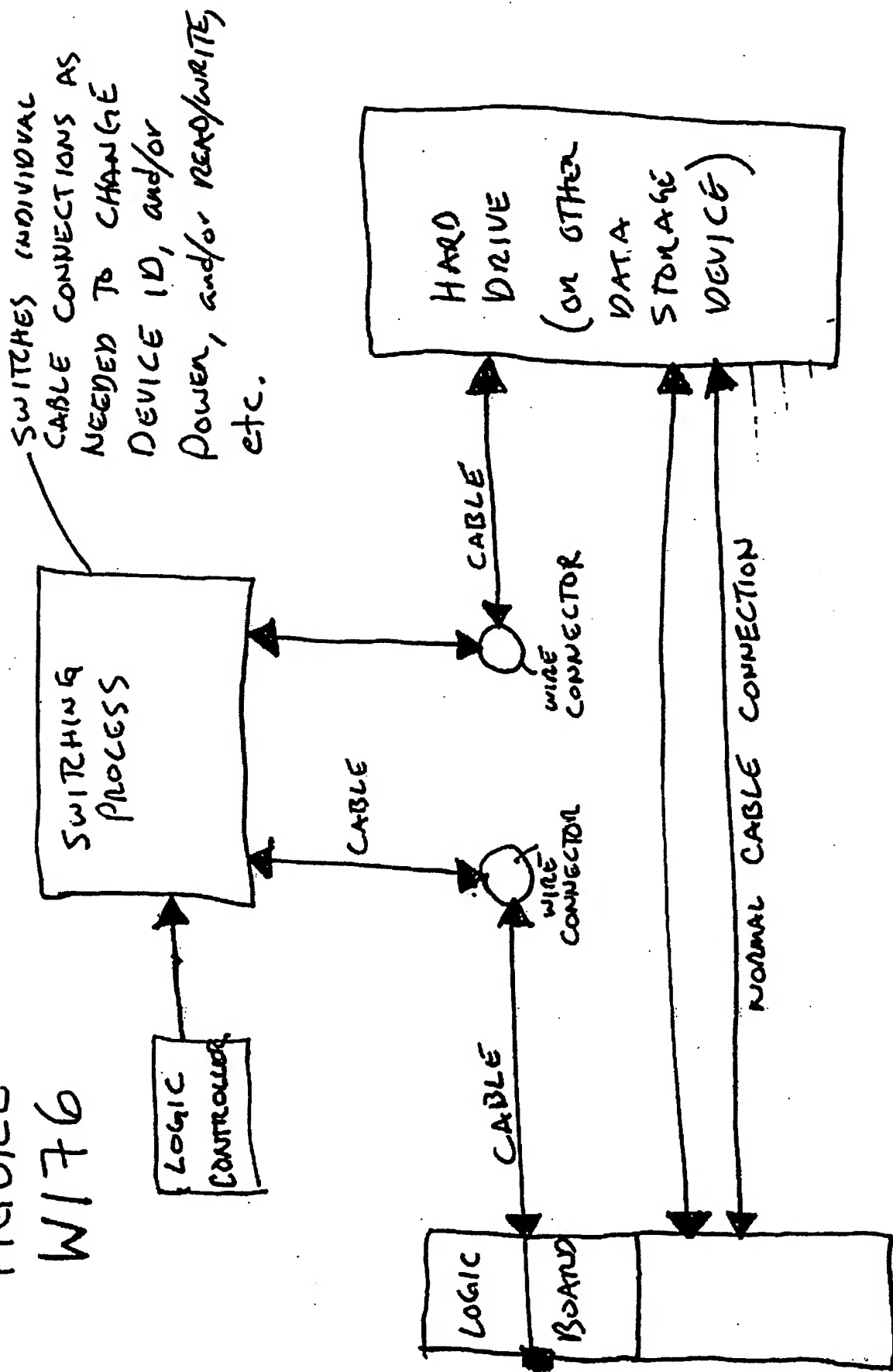




Figure W 177

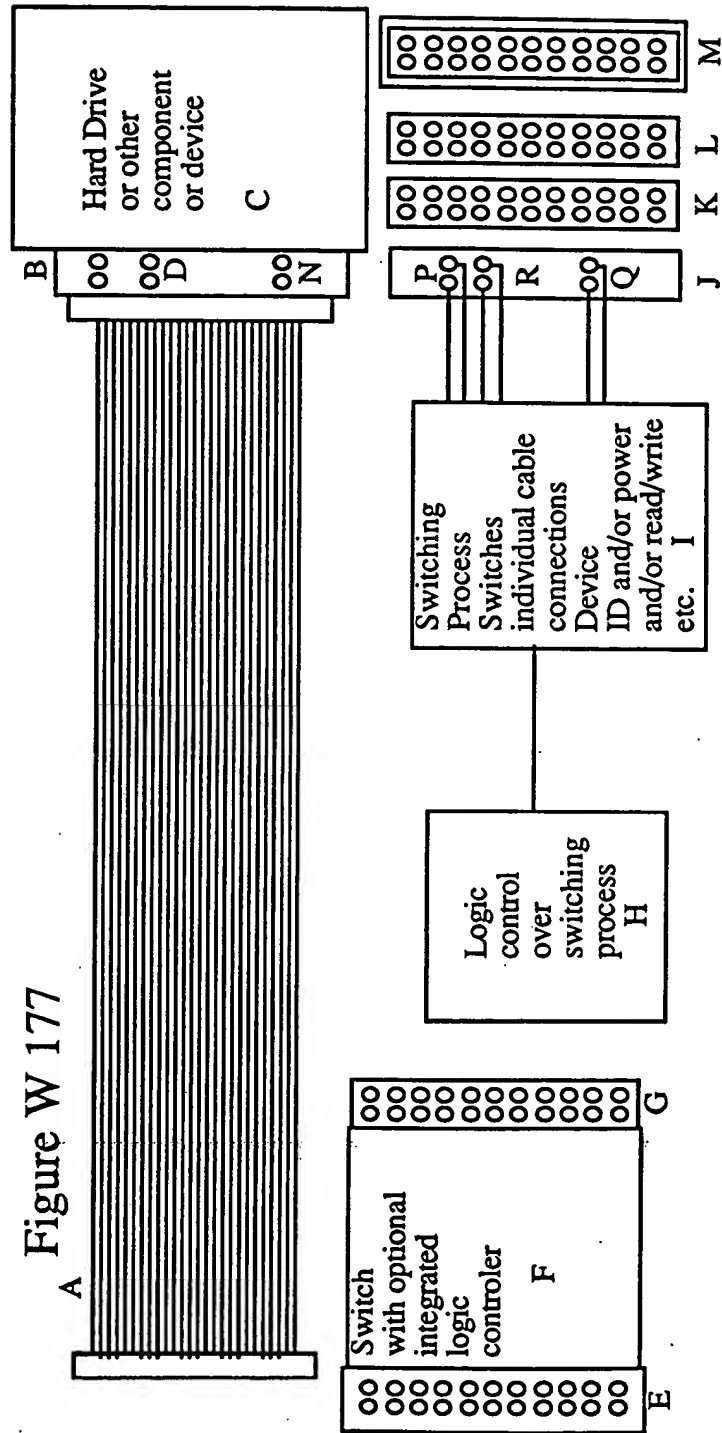


Figure W 178

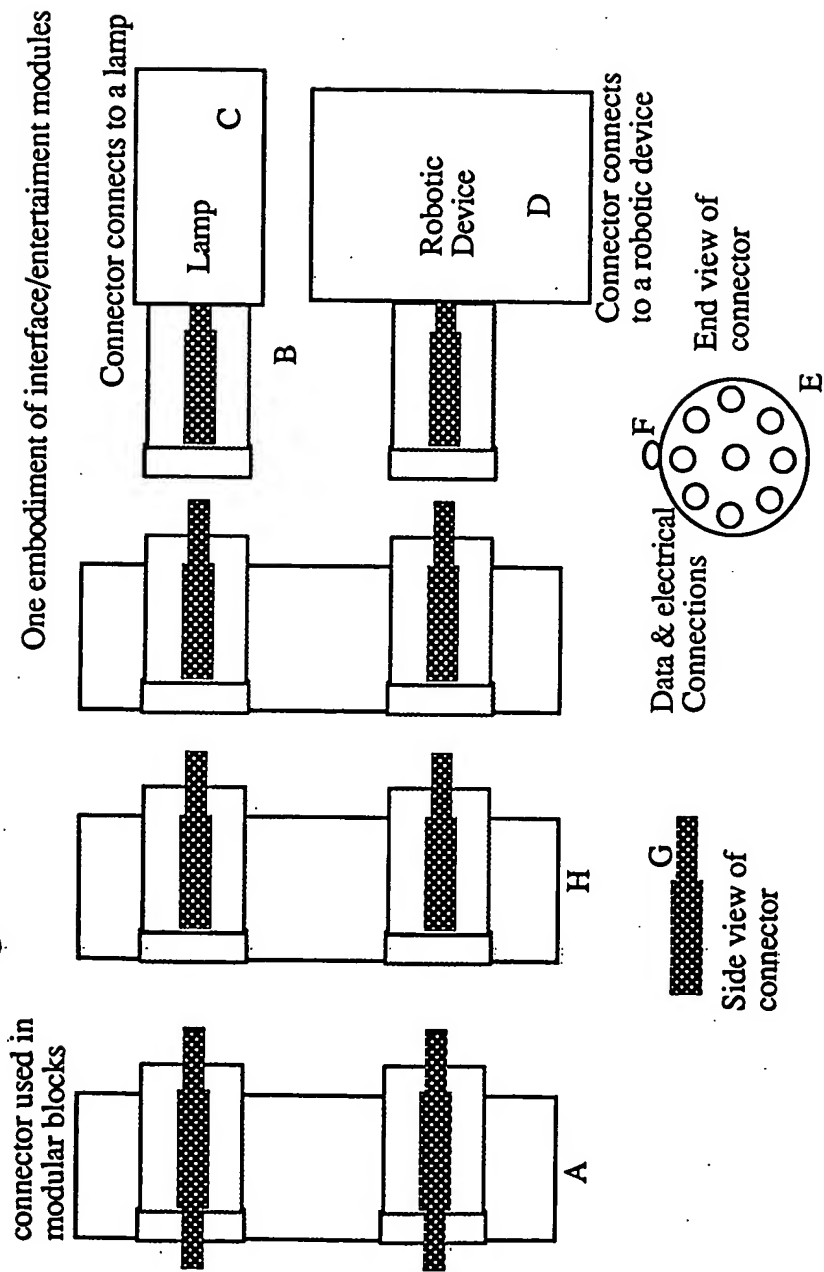
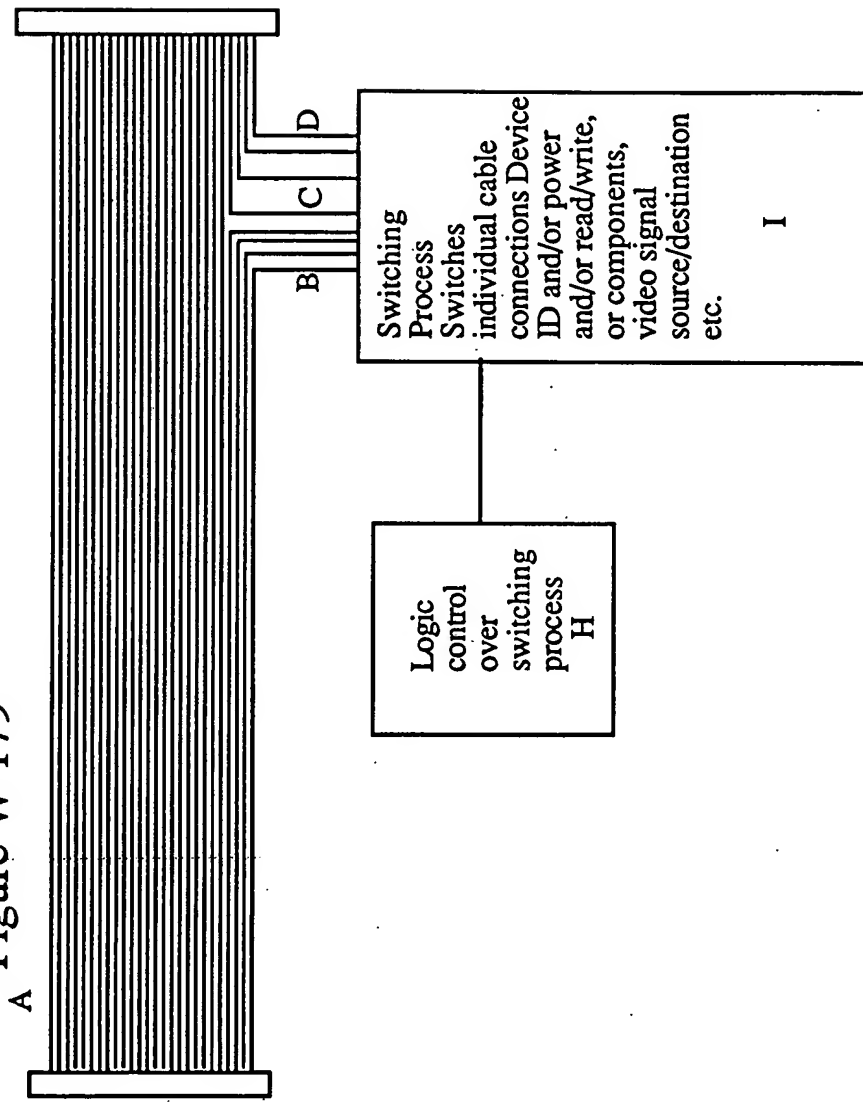
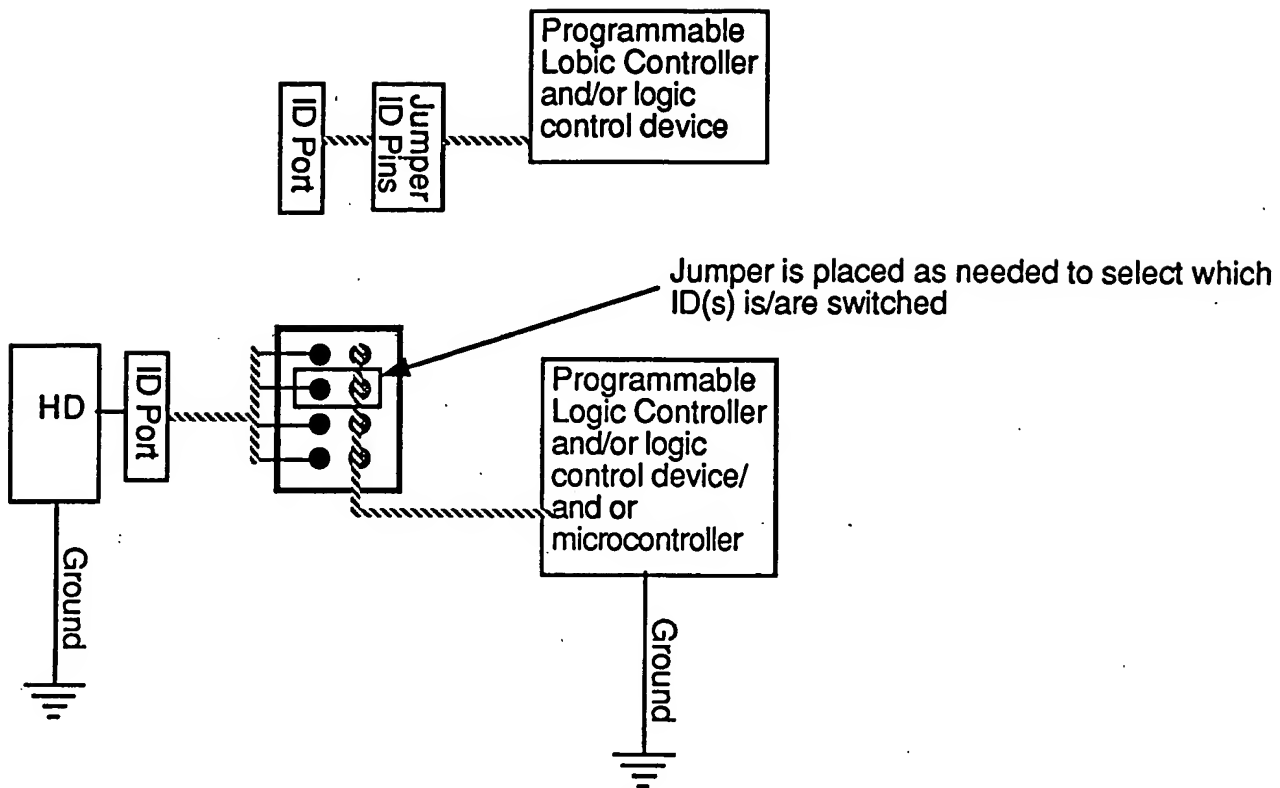


Figure W 179

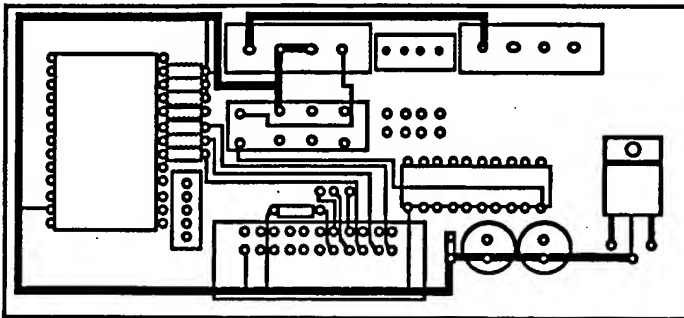
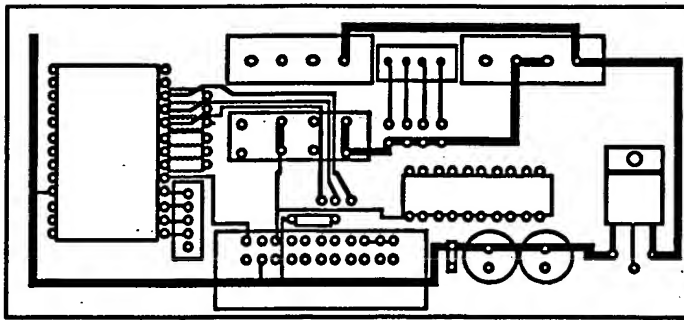


WJ1

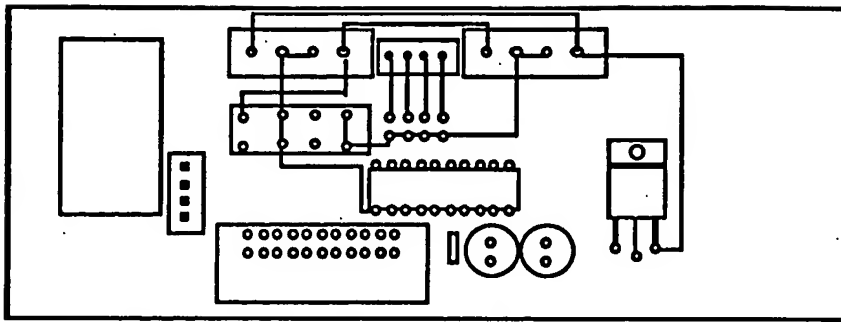


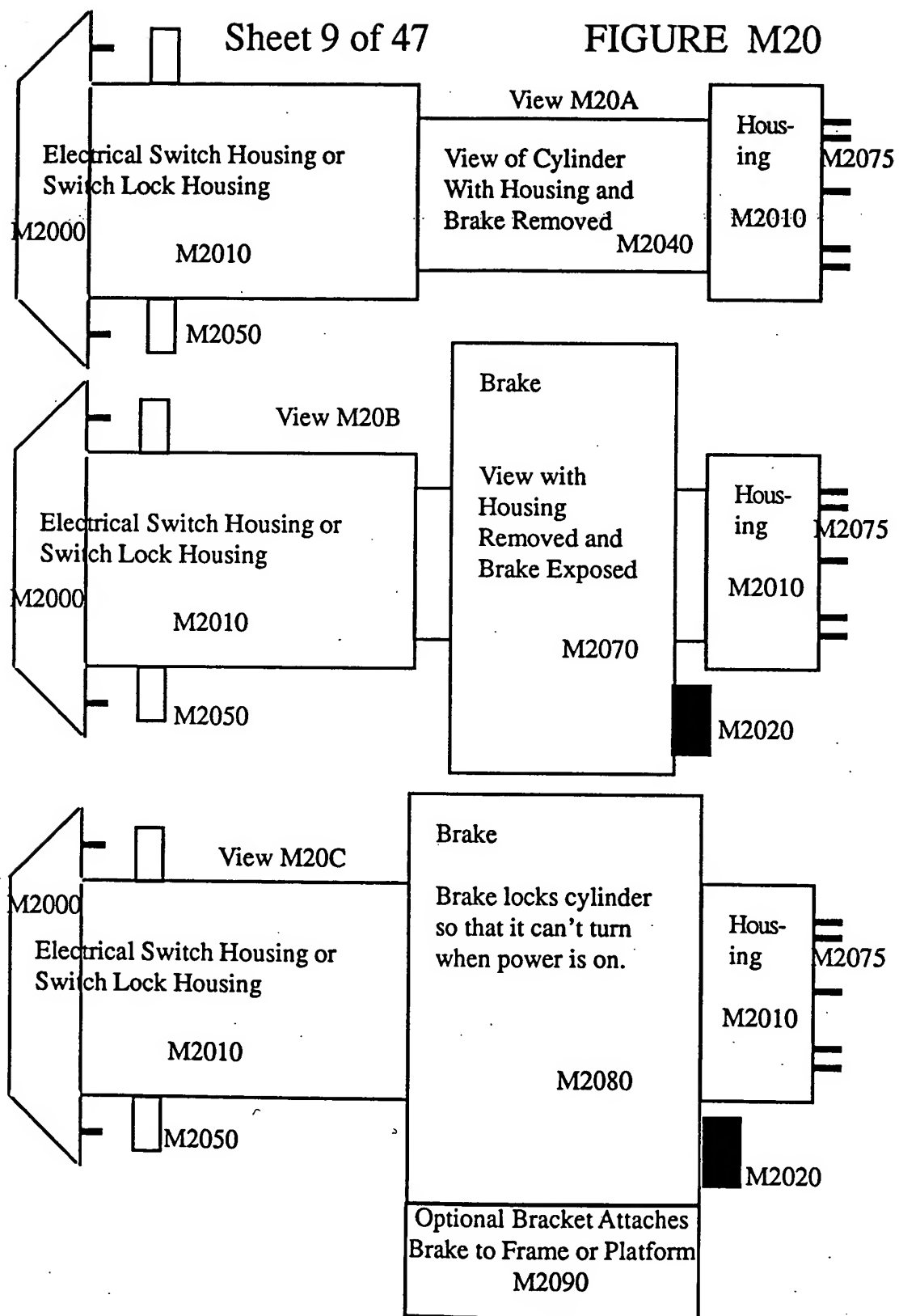
Pink are common on the circuit board. they connect to 1 IO pin of the microcontoller  
Black connect to A0 A1 A2 A3 on hard drive.

WJ2

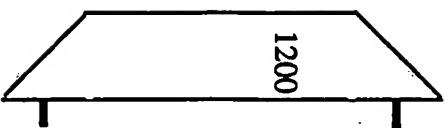


WJ3

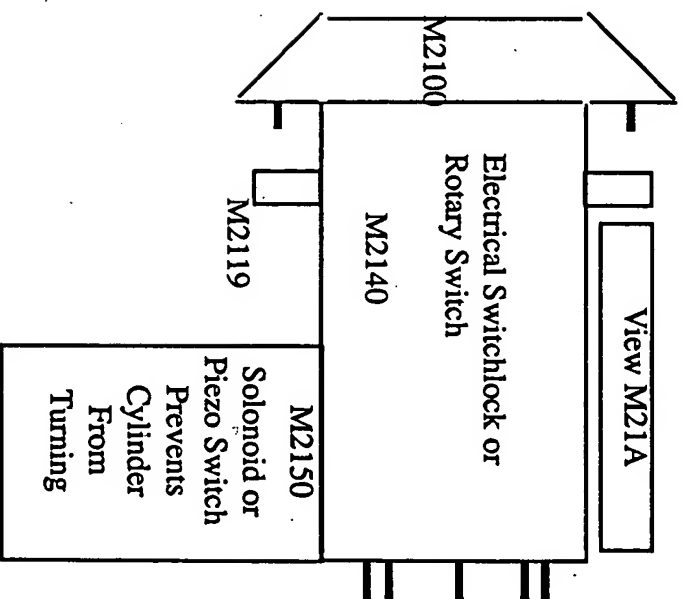




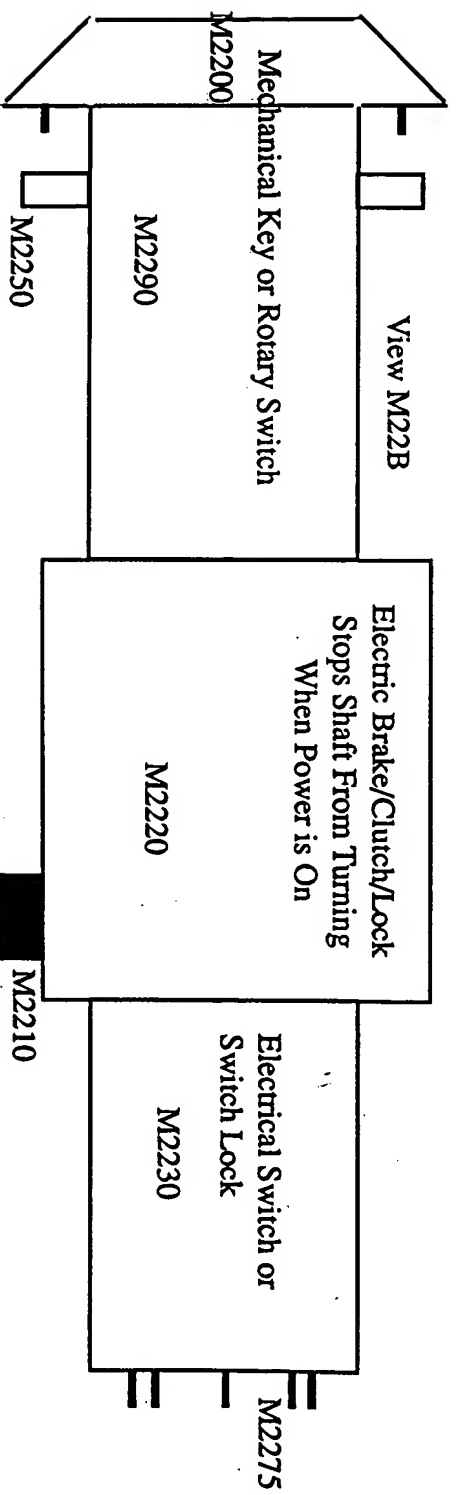
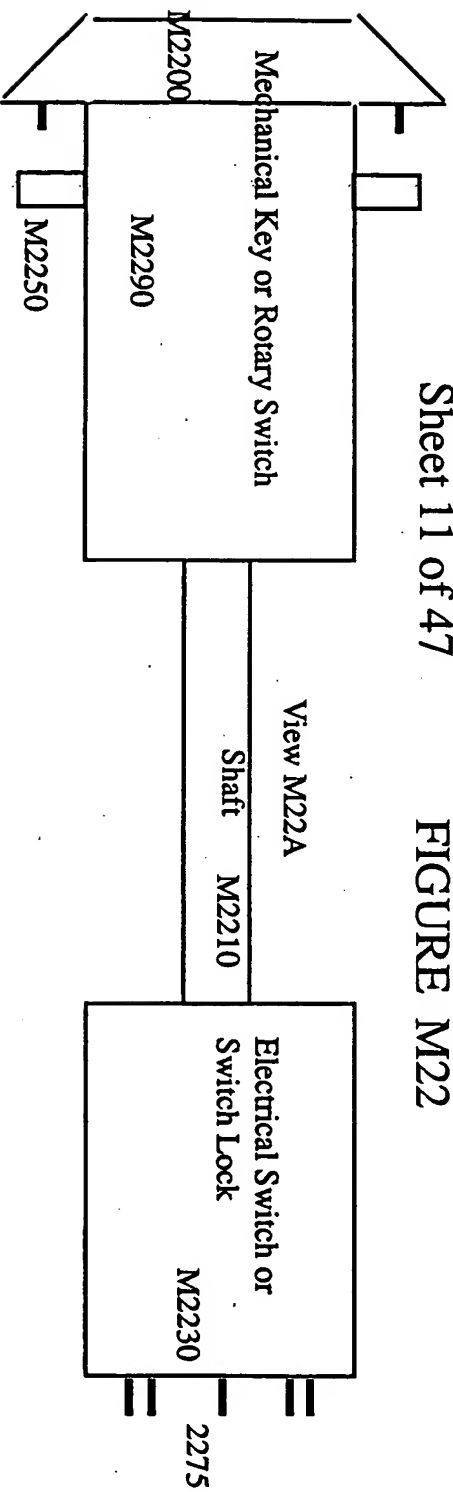
View 1508



View M21A







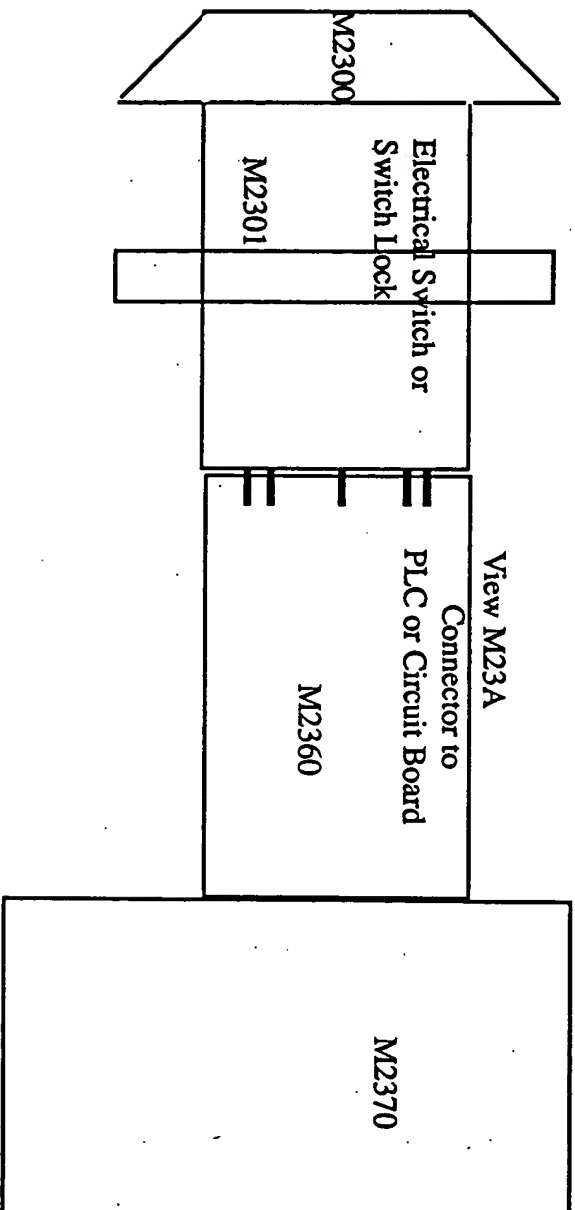


FIGURE M24

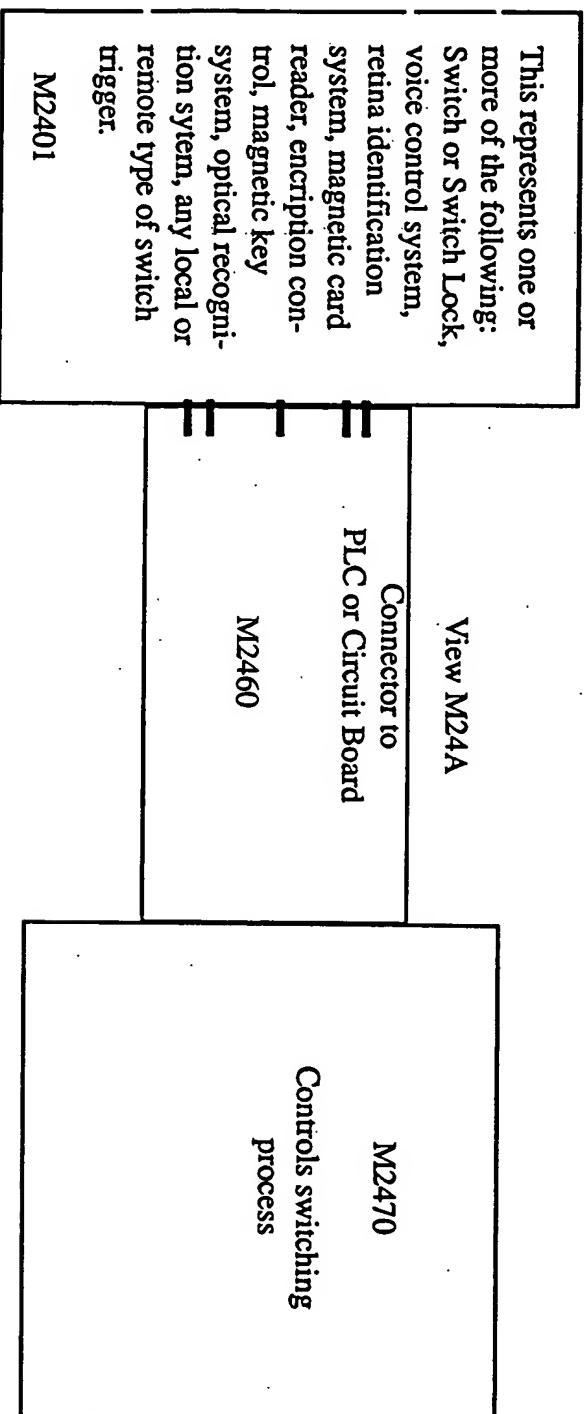


Figure E1

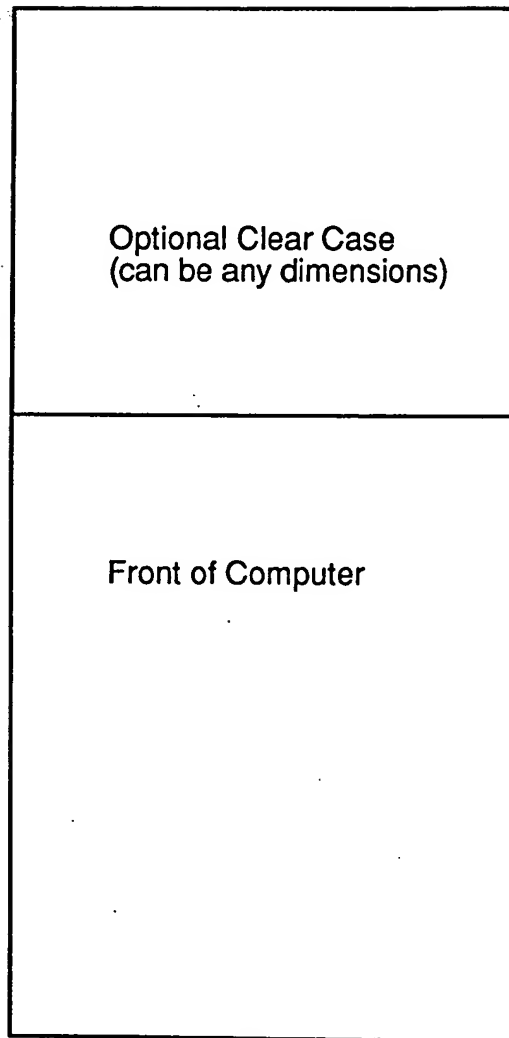


Figure E2

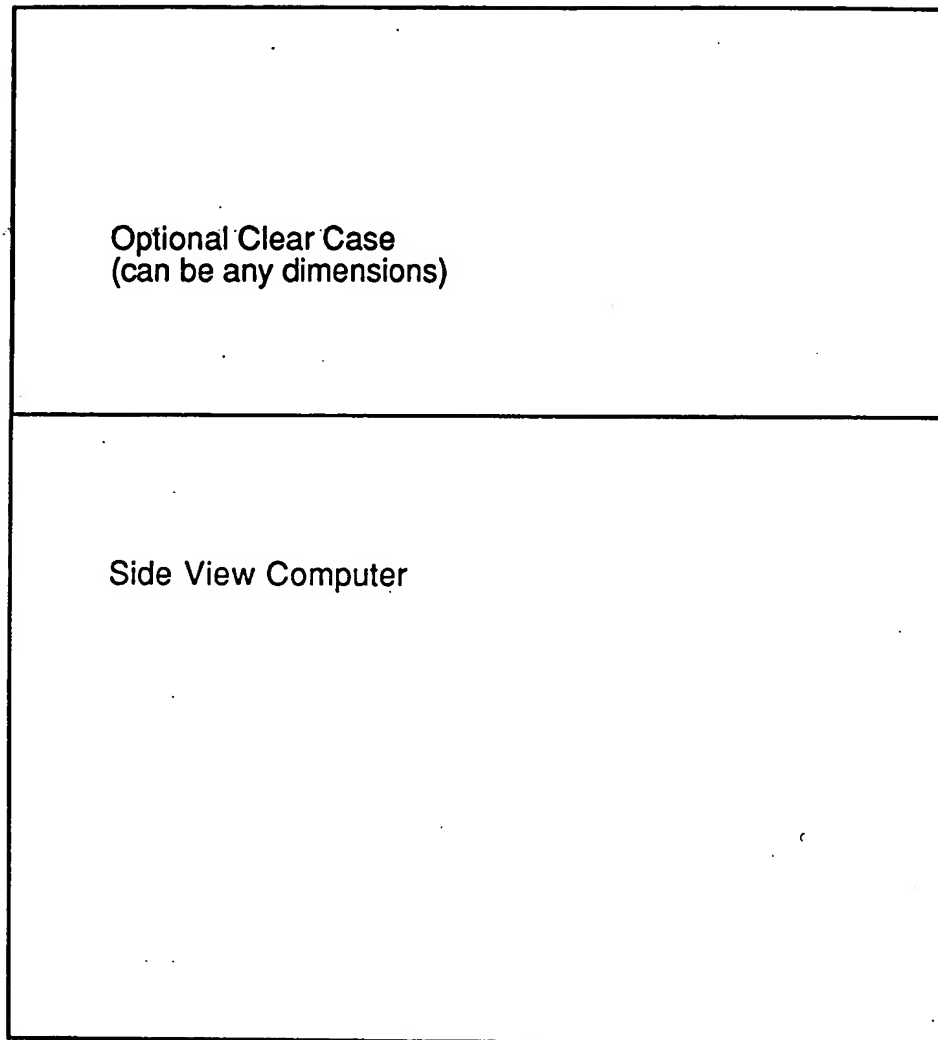


Figure E3

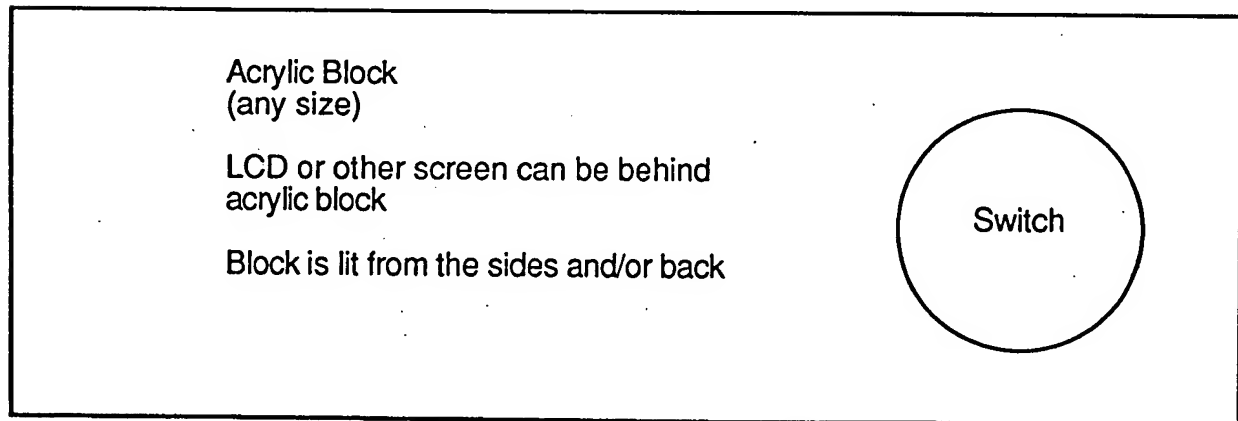
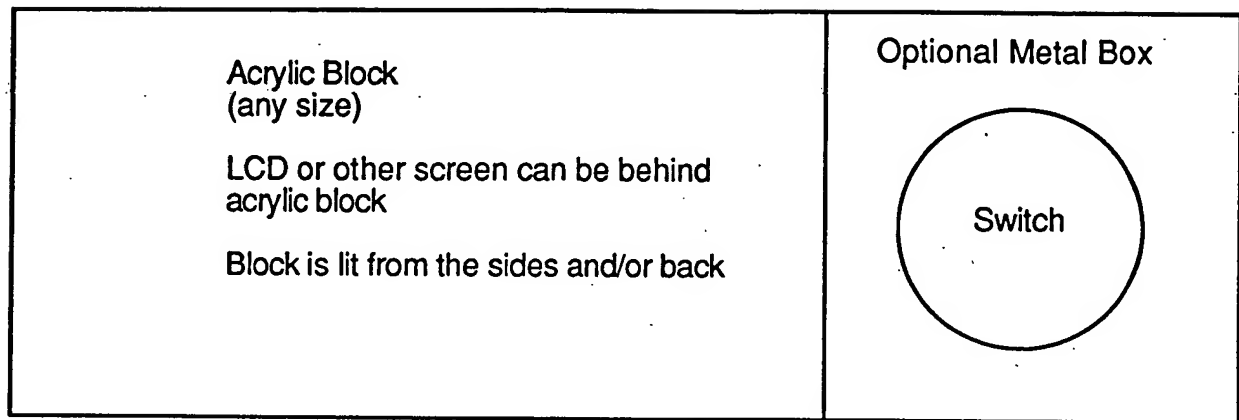
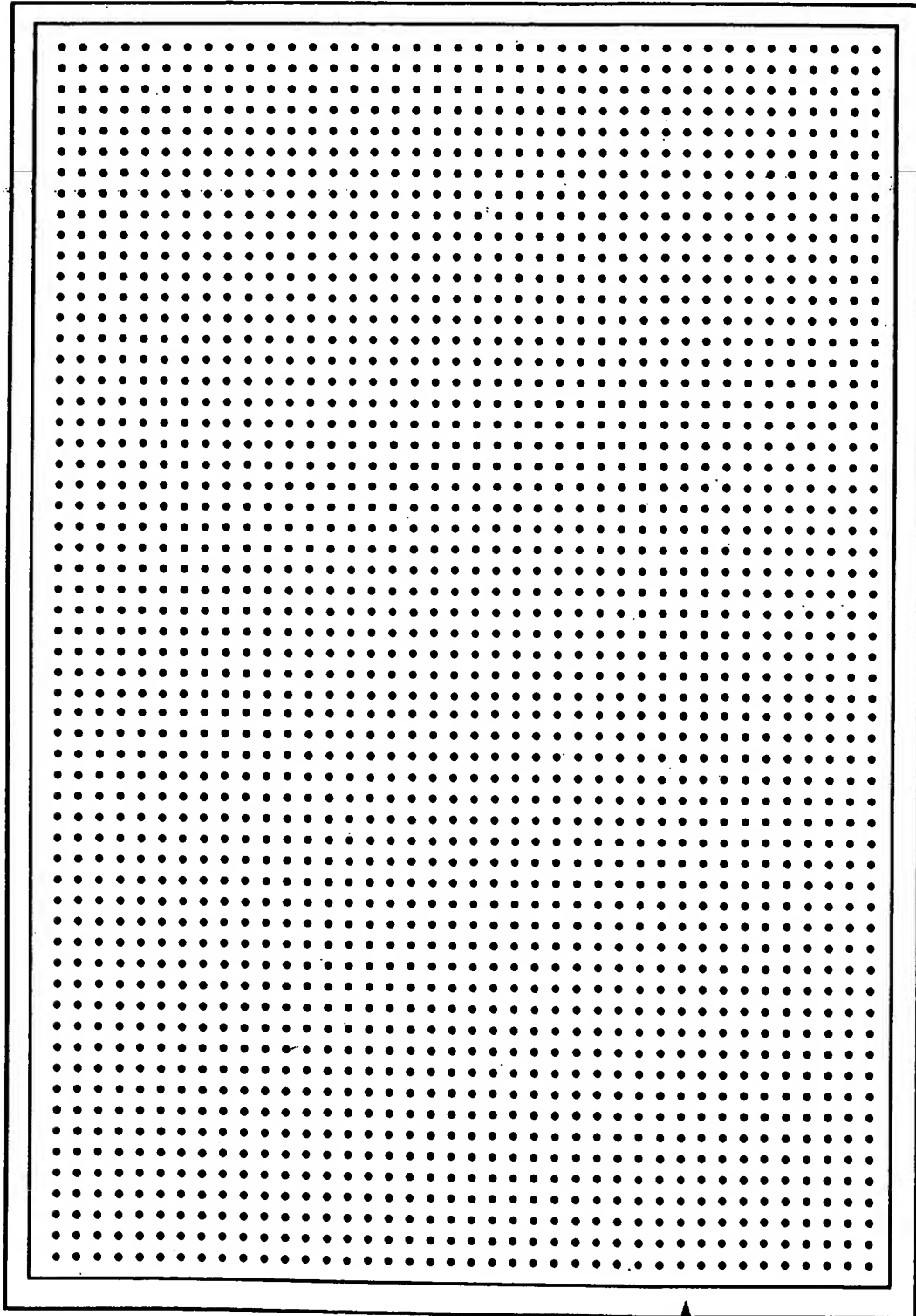


Figure E4

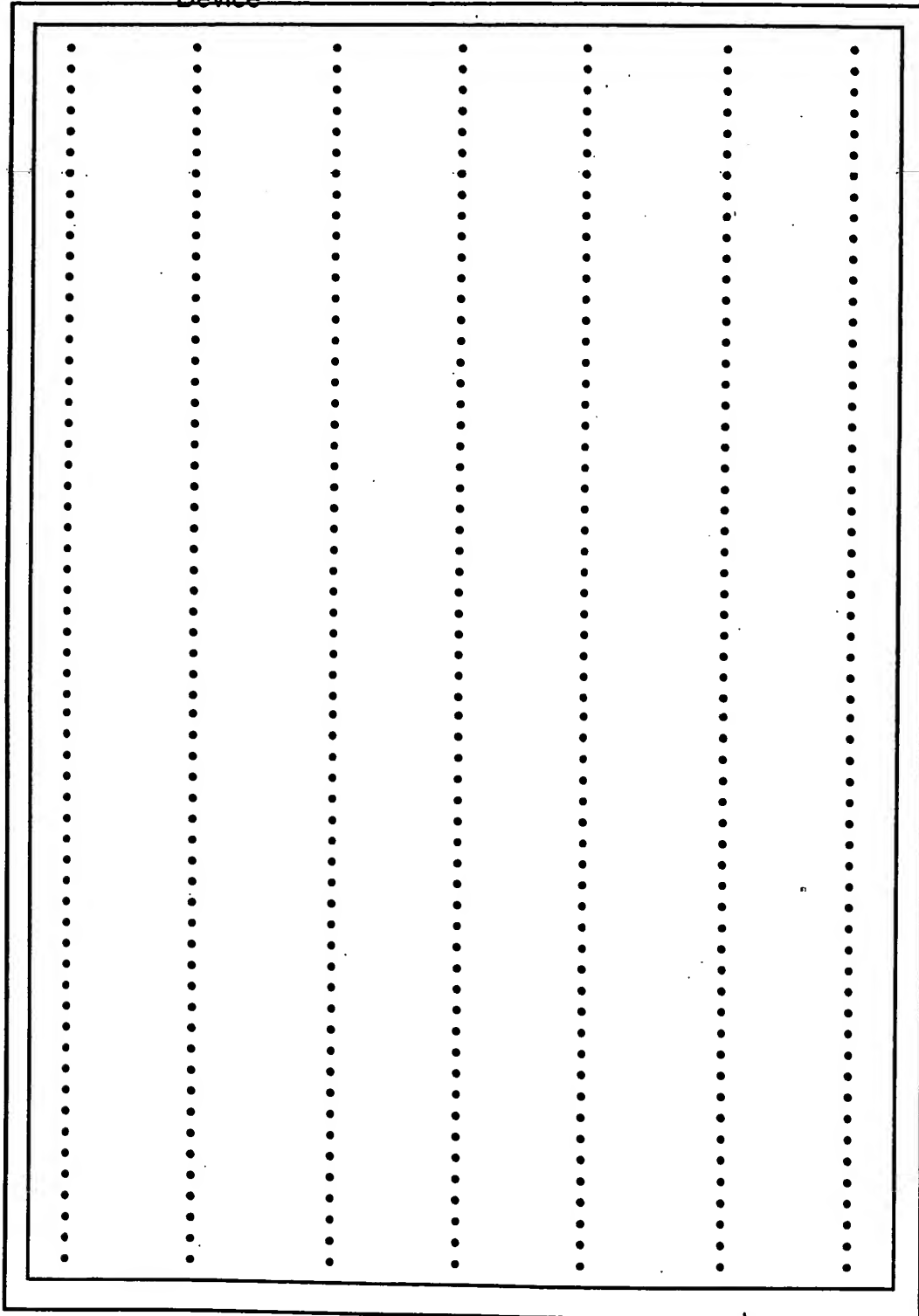
Optional Top and/or Sides and/or Back of  
Computer/Computing Device/Peripheral  
Device



Optional Lip That Optional Case fits over ————↑

Figure E5

Optional Top and/or Sides and/or Back of  
Computer/Computing Device/Peripheral  
Device



Optional Lip That Optional Case fits over ————↑



Figure E6

Optional Top and/or Sides and/or Back of  
Computer/Computing Device/Peripheral  
Device

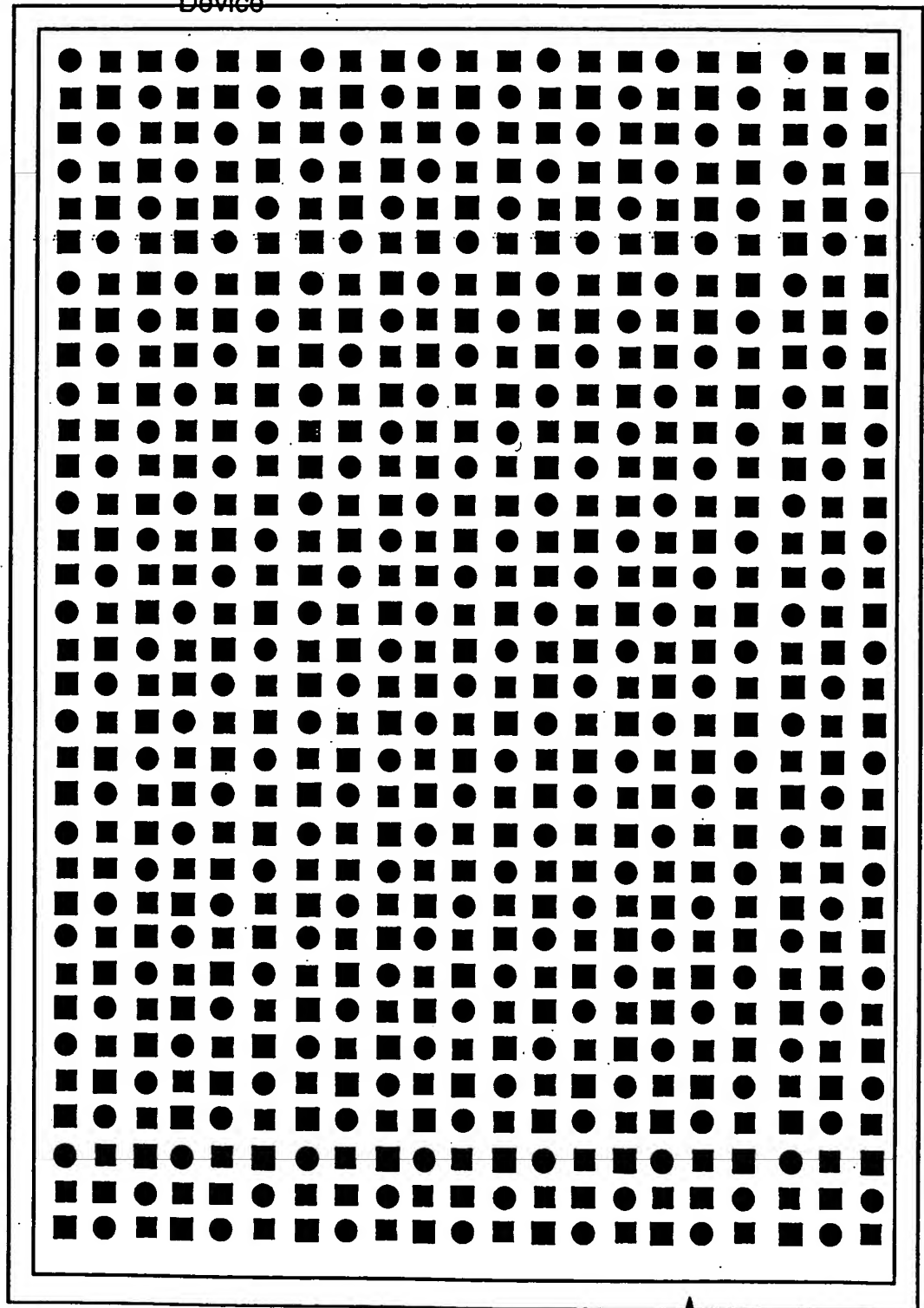
Any Method of attaching electrical  
and/or electronic components

Optional Lip That Optional Case fits over



Figure E7

Optional Top and/or Sides and/or Back of  
Computer/Computing Device/Peripheral  
Device



Optional Lip That Optional Case fits over

Figure E8

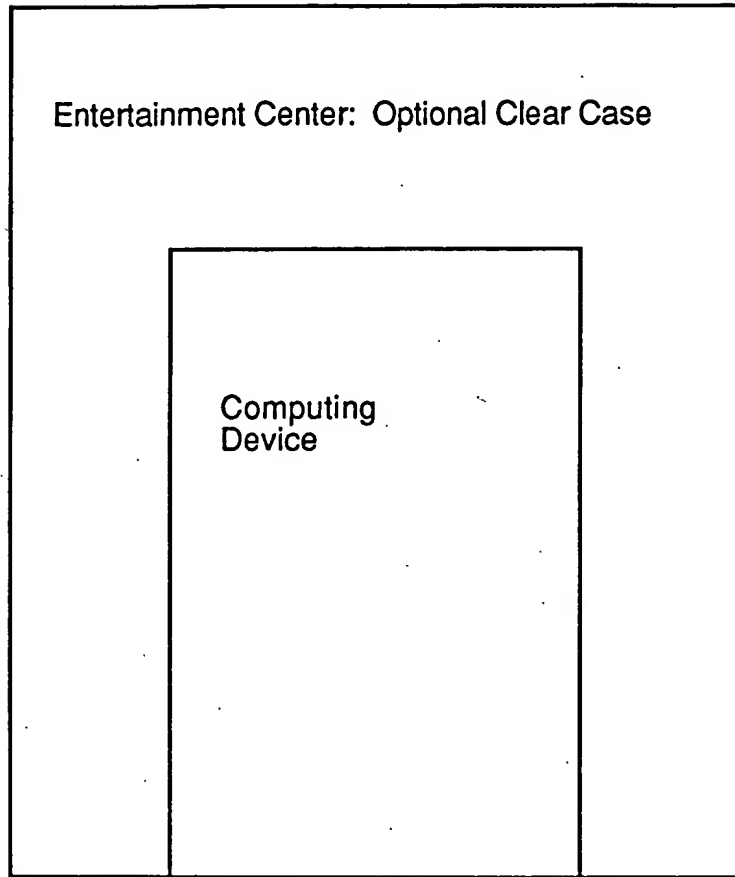


Figure E9

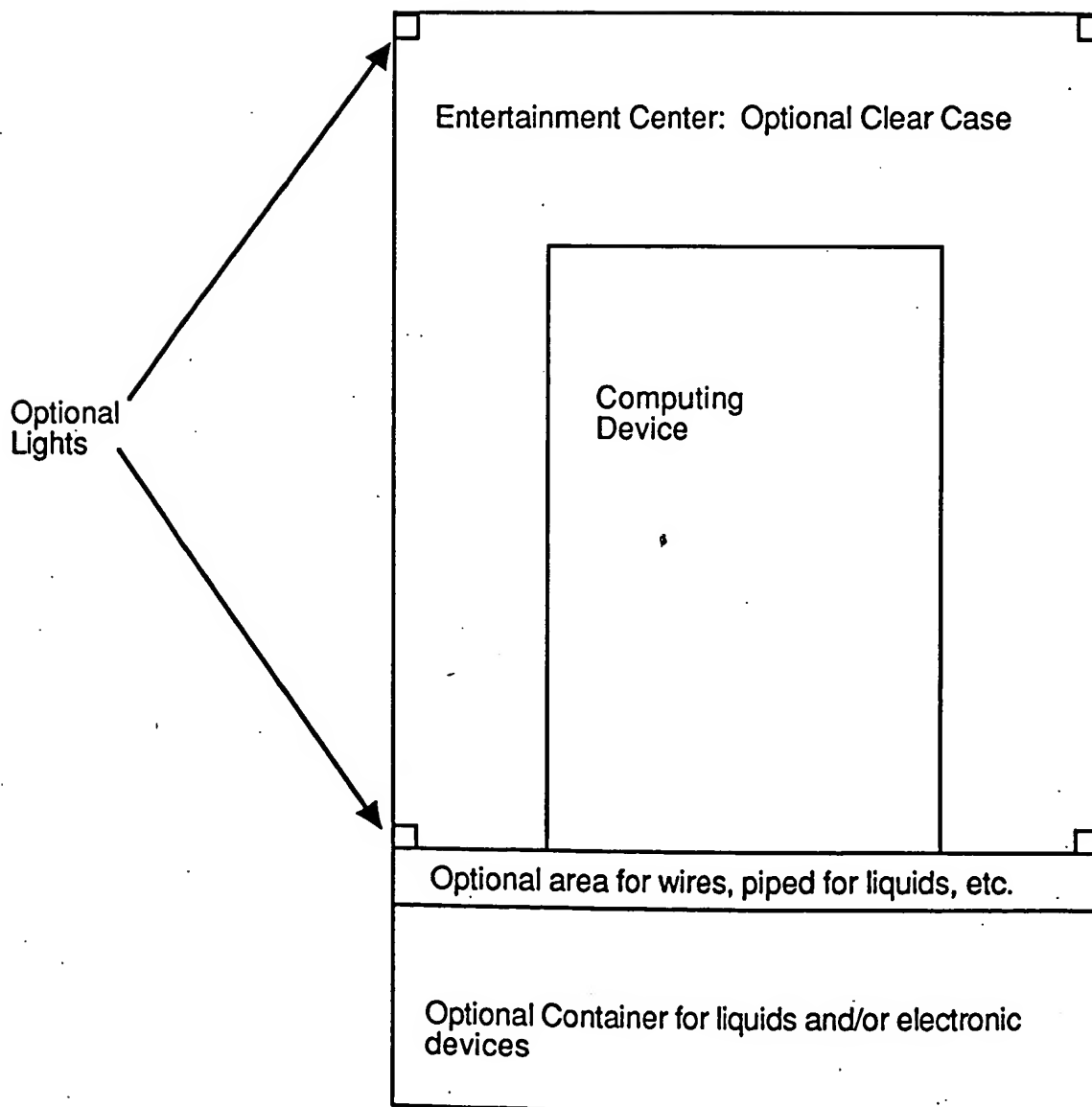
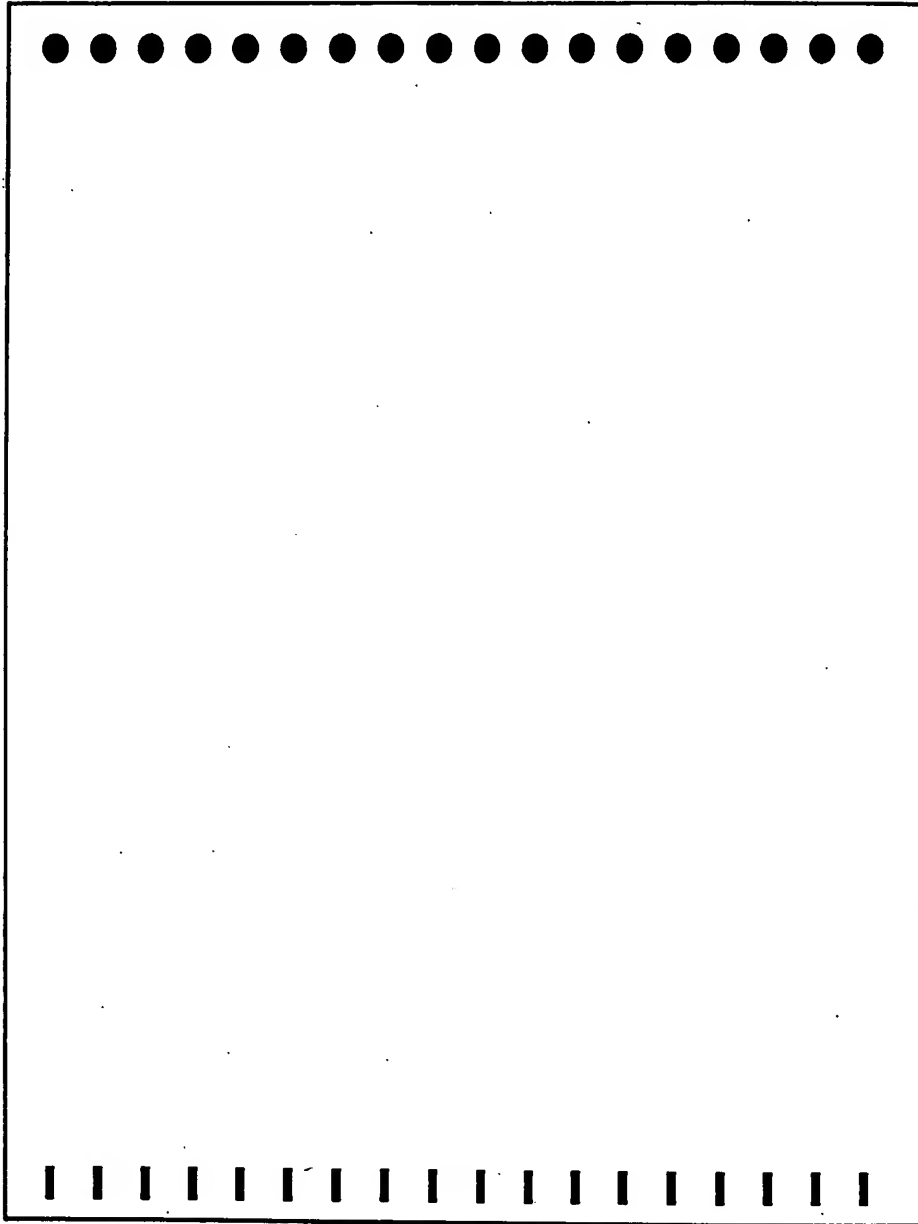
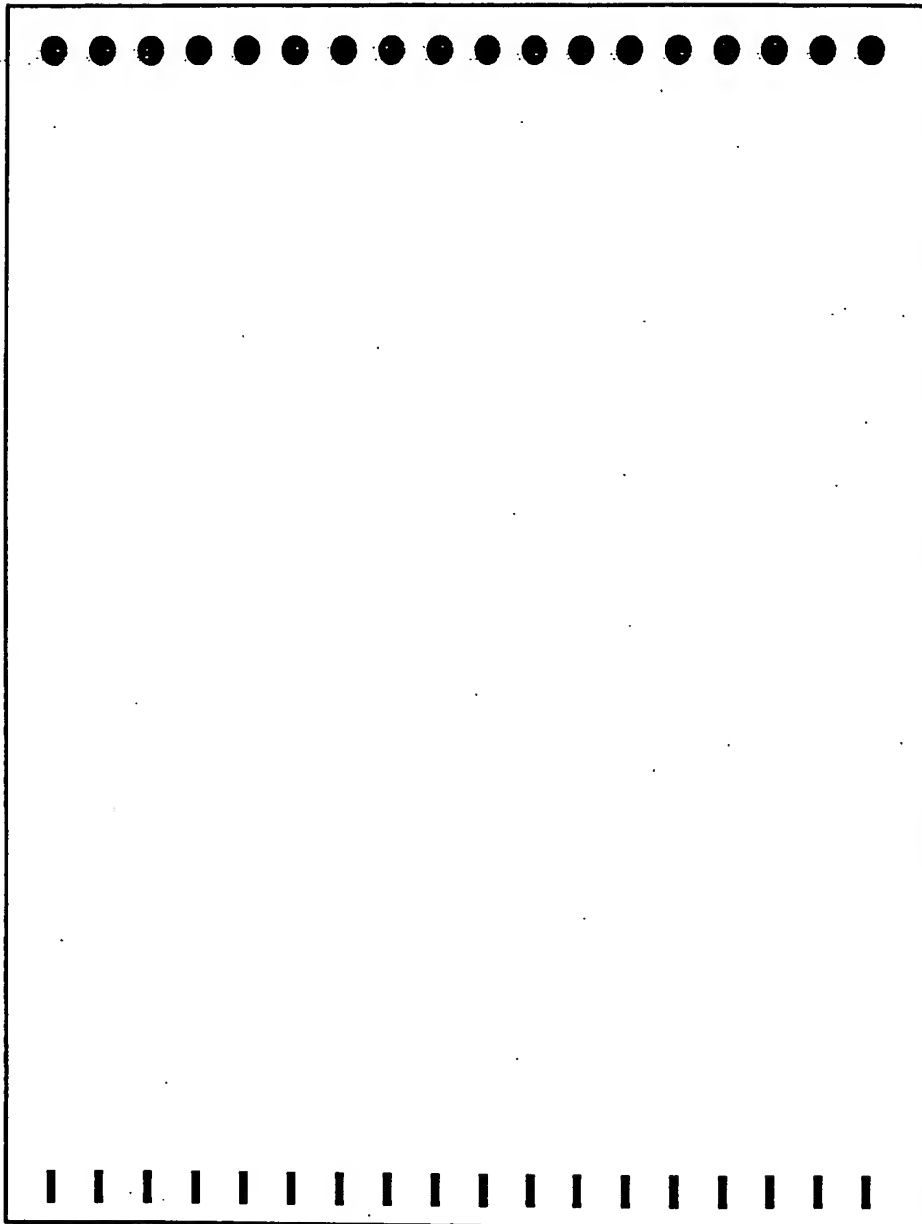


Figure E10



Optional Top and/or sides. Circuit board and/or device connector board plugs into power sources on top of computing device.

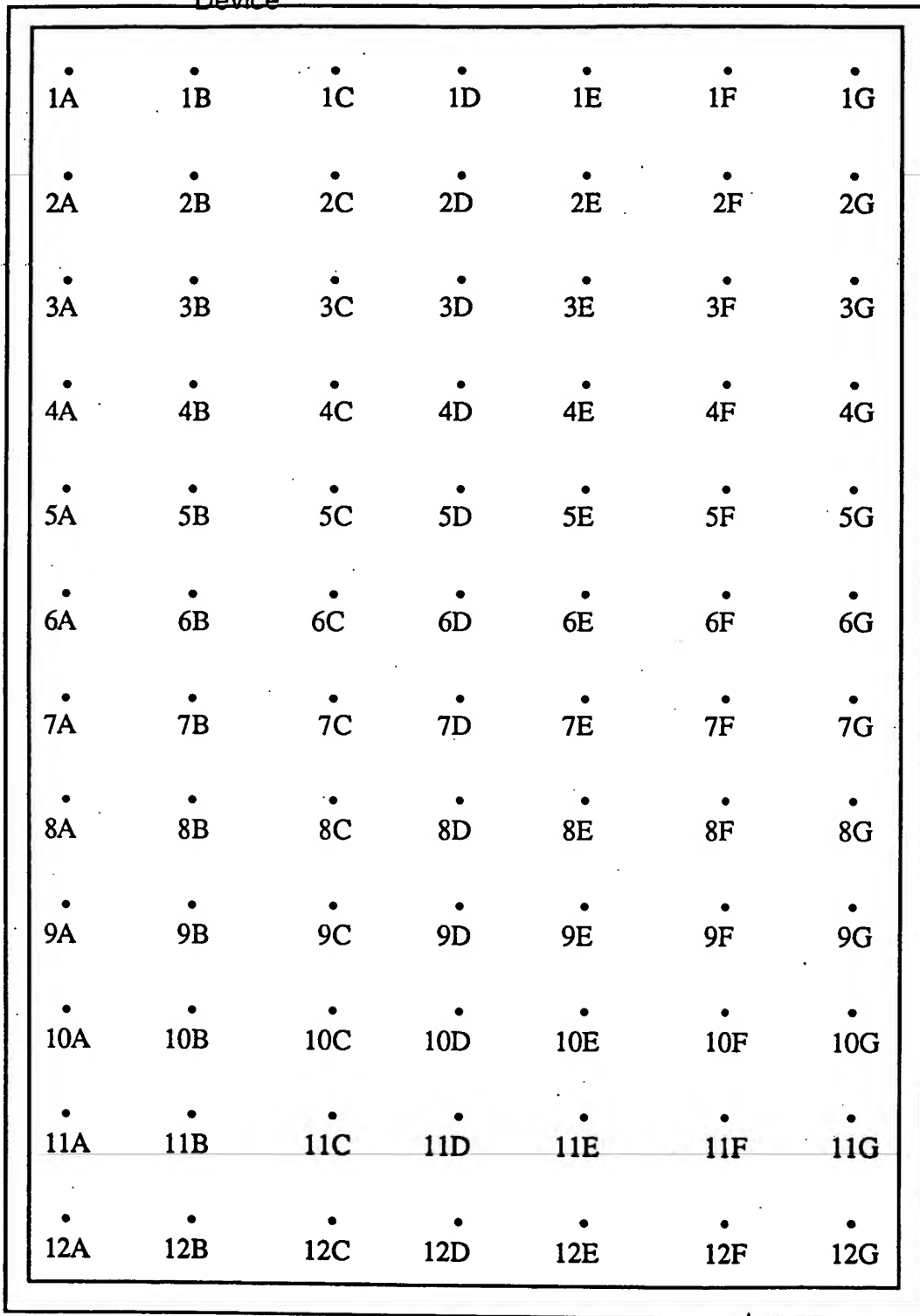
Figure E11



Optional Example circuit board (bottom View) and/or device connector board plugs. It plugs into power sources on top and/or sides of computing device. This is a functional design that only shows connections to power sources from computing device.

# Figure E12

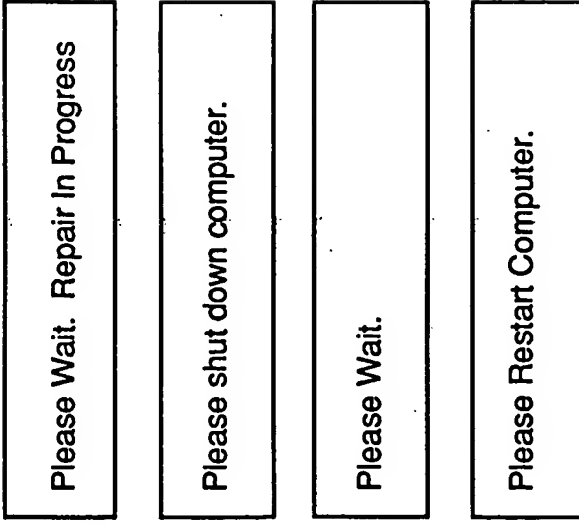
Optional Top and/or Sides and/or Back of  
Computer/Computing Device/Peripheral  
Device



Optional Lip That Optional Case fits over

Numbers, letters, and/or symbols match top and bottom of board.  
Wires hook wherever user wants to put them. Software controls circuits.

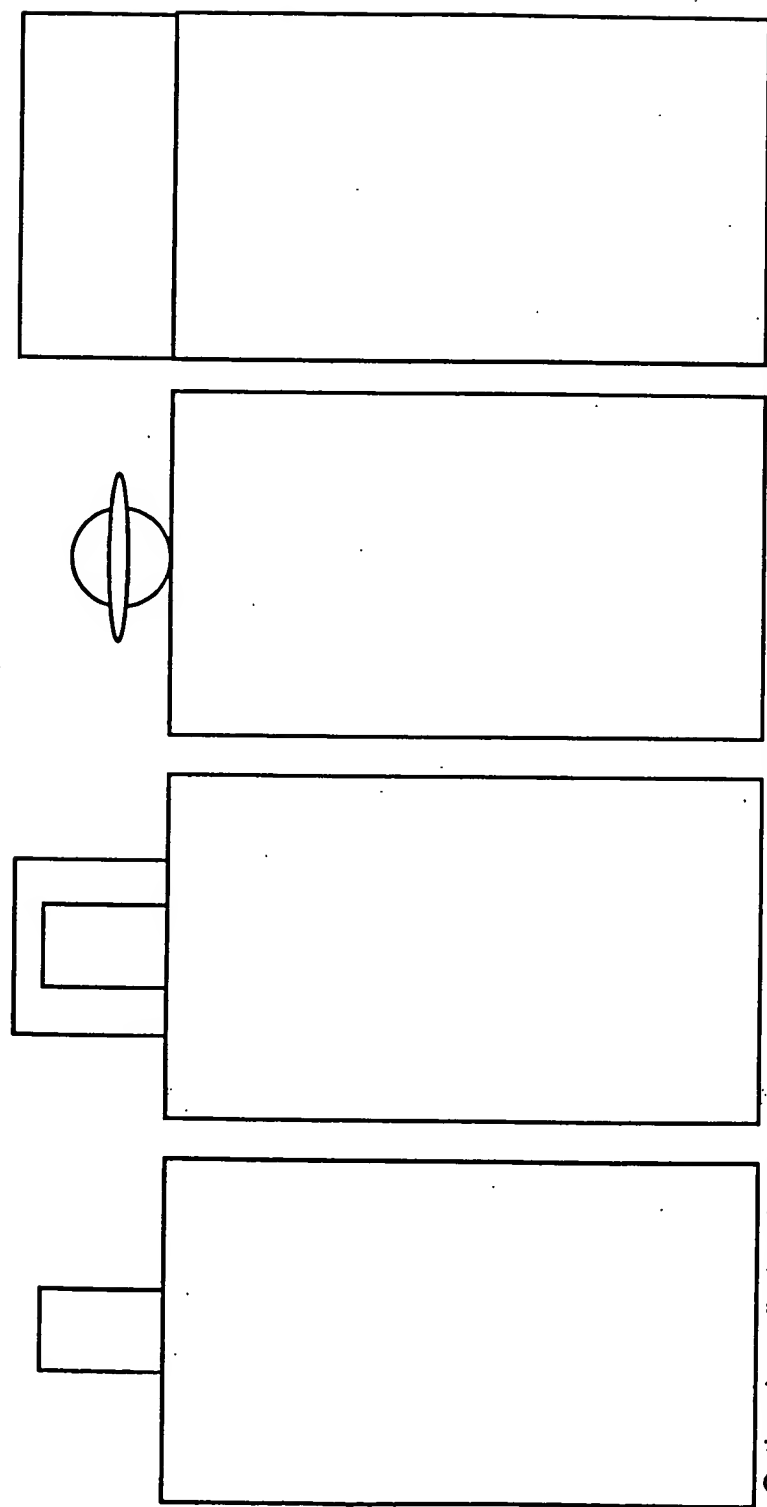
**Figure E 14** Examples of optional LCD screen dialog.



In addition to using an LCD screen, or in Lieu of using an LCD screen, dialog can be written directly to monitor, and/or communicated by other means of communication such as speech.



Figure E80    Optional interactive display and entertainment compone



Optional acrylic (or similar plastic) lit by LCD to indicate the state of the DRAMUS switch. Optionally it can also be used as a decoration triggered by sound, motion, etc. Various colored lights are used to change colors in acrylic. Other art pieces can also be put in these "entertainment" boxes, such as lava lights, plasma lamps, and various art projects.

Figure E81

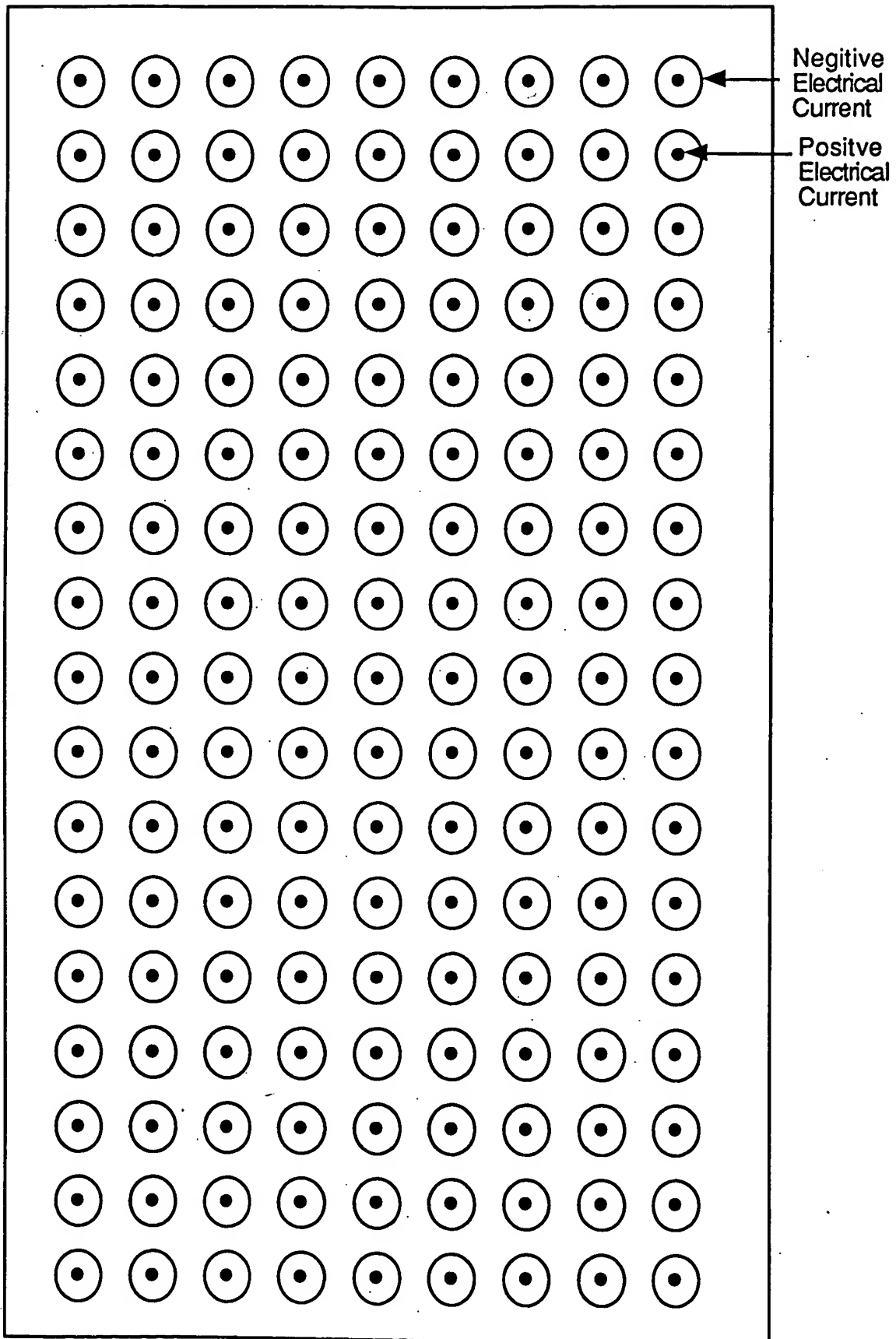


Figure E82

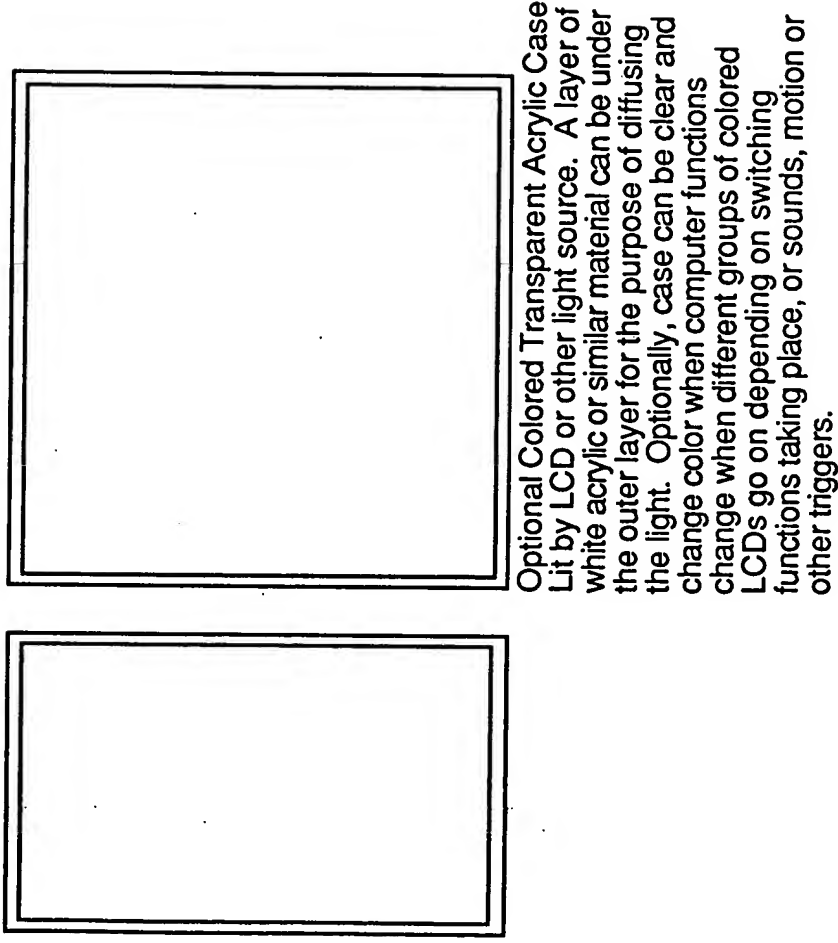
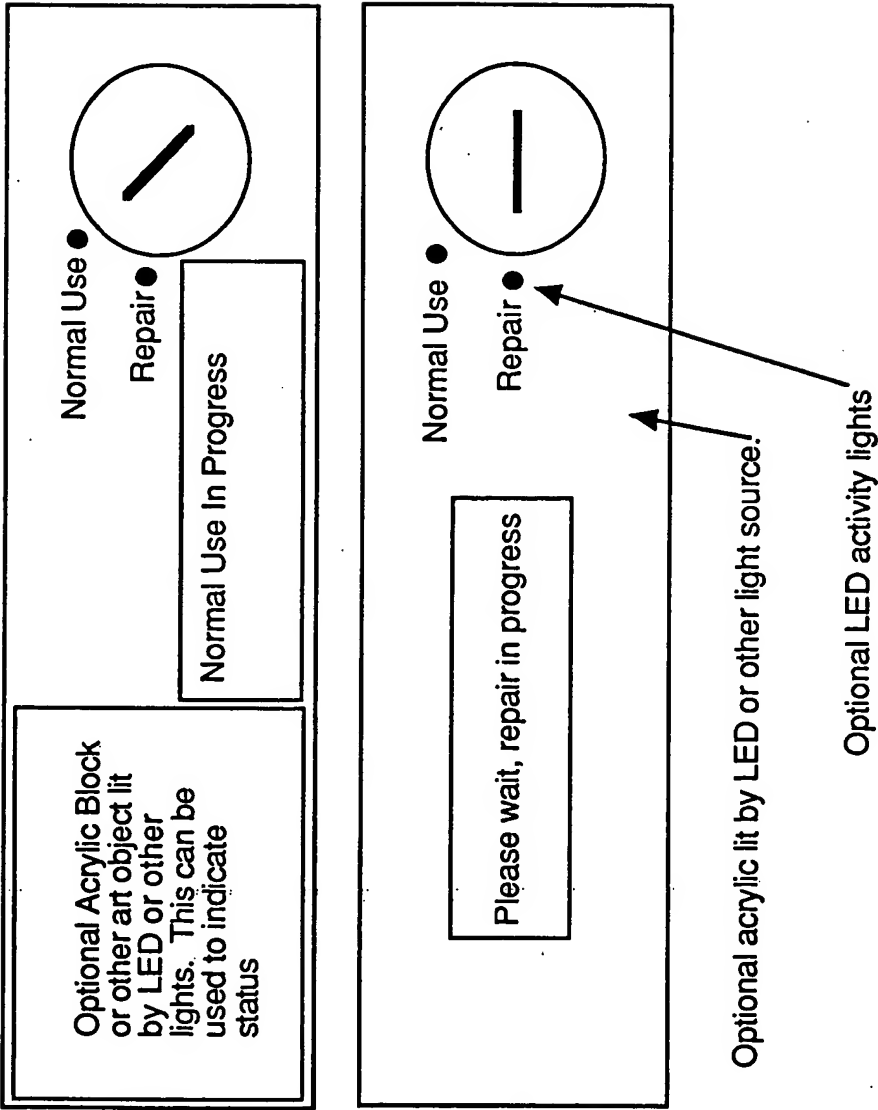
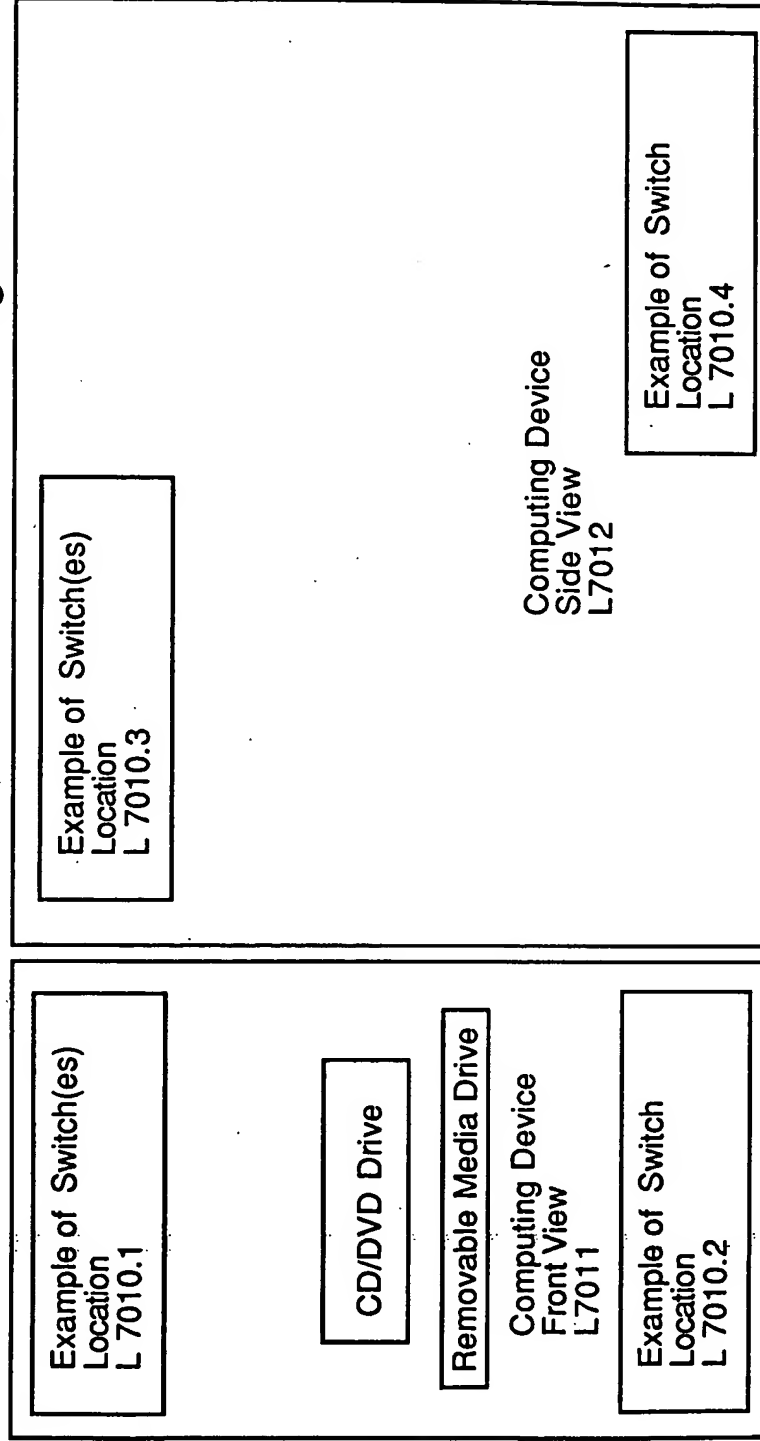


Figure E83



Sheet 3 of 10      Figure L 70



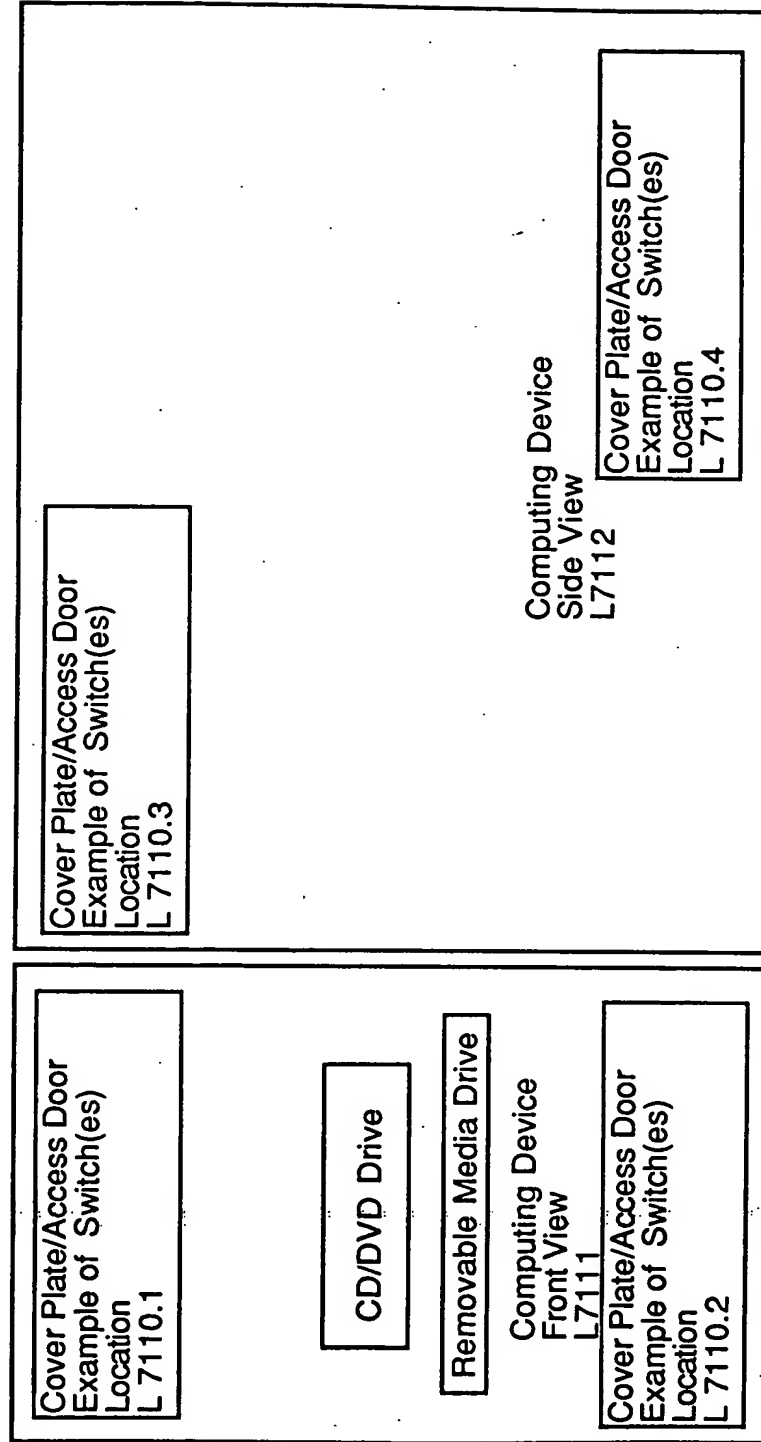


Figure L 72MU Sheet 24 of 29

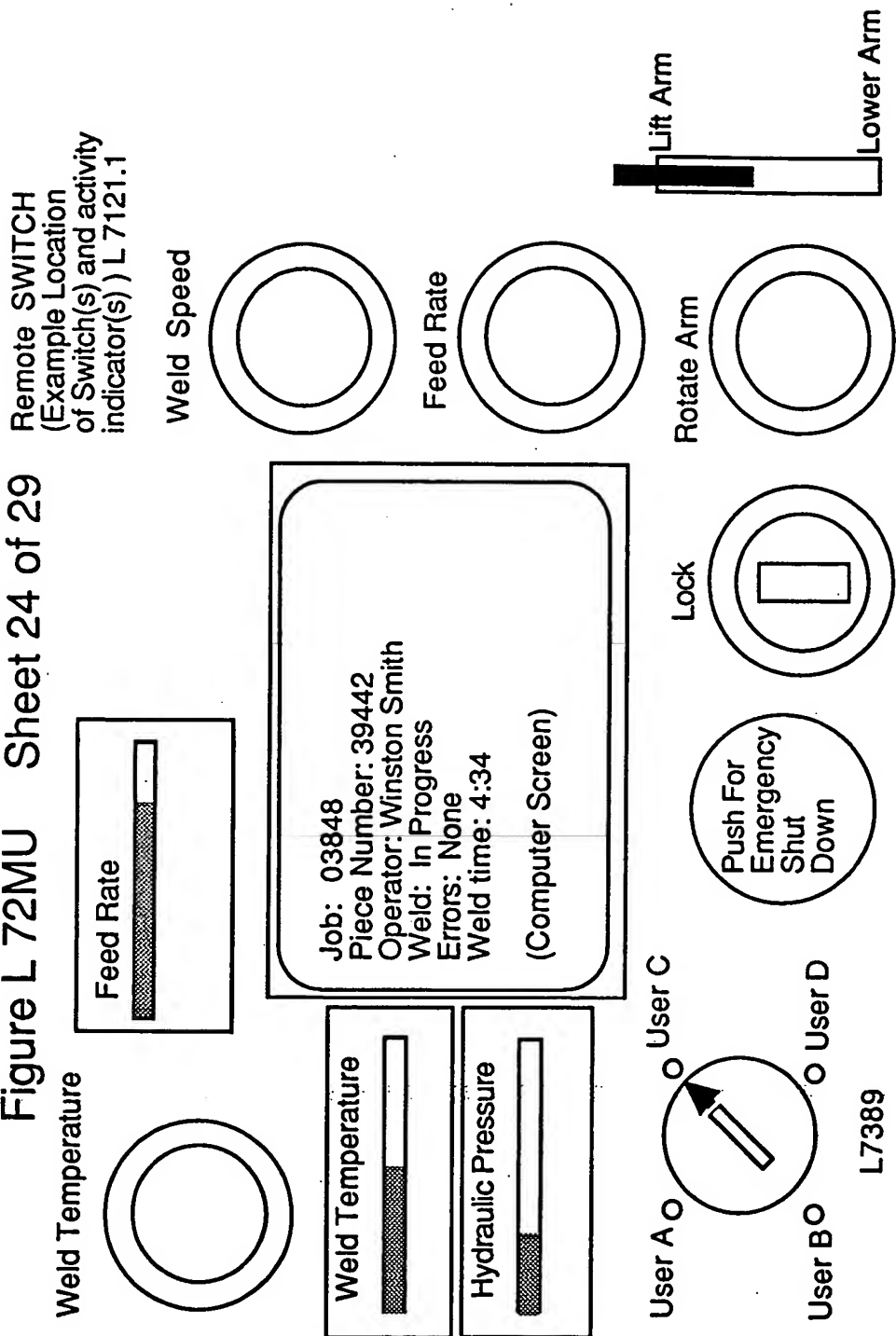
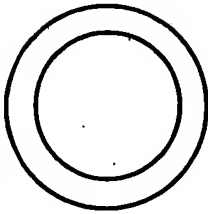


Figure L 72NL

Weld Temperature



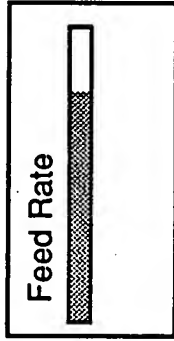
Weld Temperature



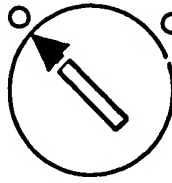
Hydraulic Pressure



Sheet 5 of 10



Feed Rate



Normal Use

L72FB.1



UnFreeze

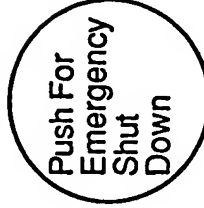
FreezeBuster

Job: 03848  
Piece Number: 39442  
Operator: Winston Smith  
Weld: In Progress  
Errors: None  
Weld time: 4:34  
(Computer Screen)

Weld  
Speed

Feed  
Rate

Lock



Push For  
Emergency  
Shut  
Down

Rotate  
Arm

Lift Arm

Lower Arm



Figure L 72S

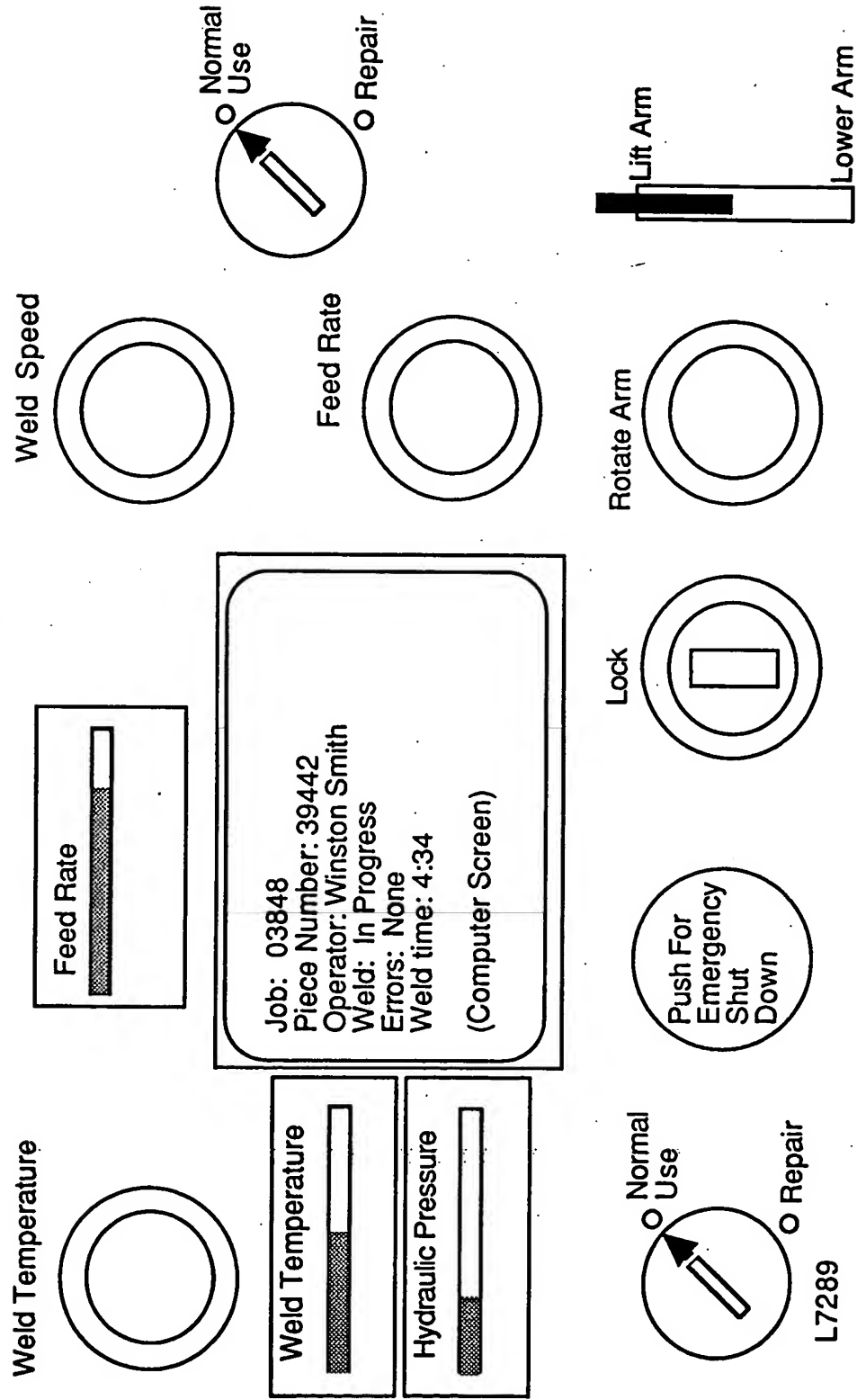


Figure L 73

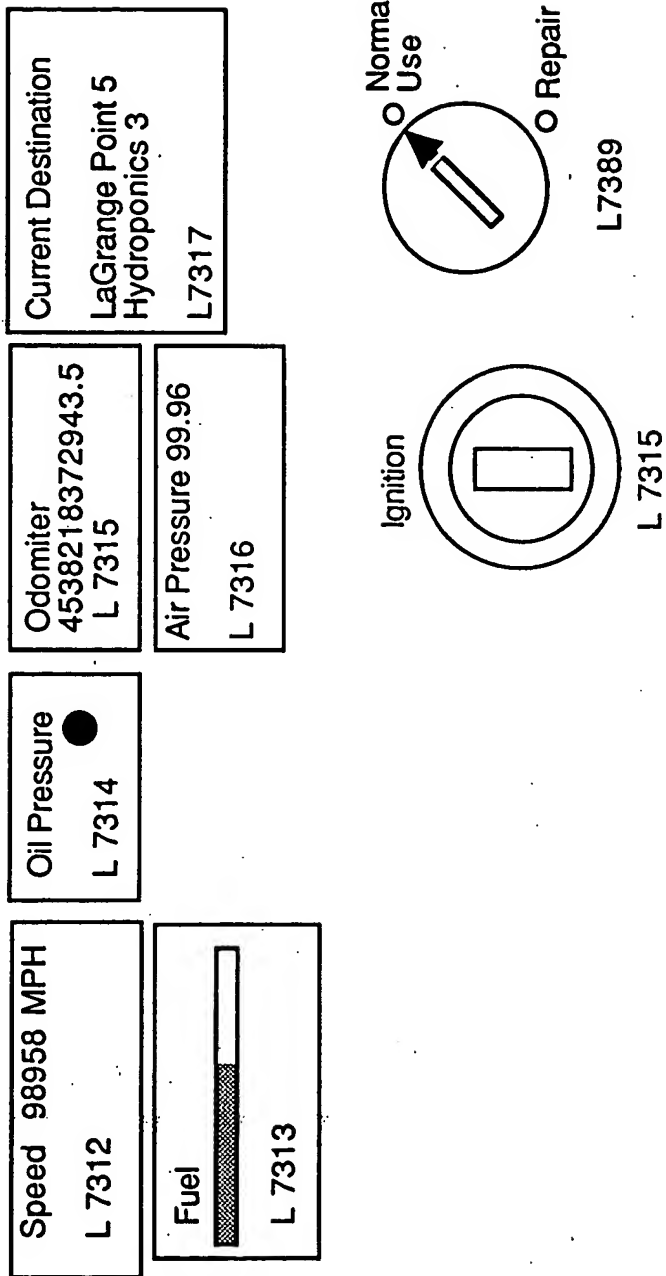


Figure L 73FB Sheet 6 of 10

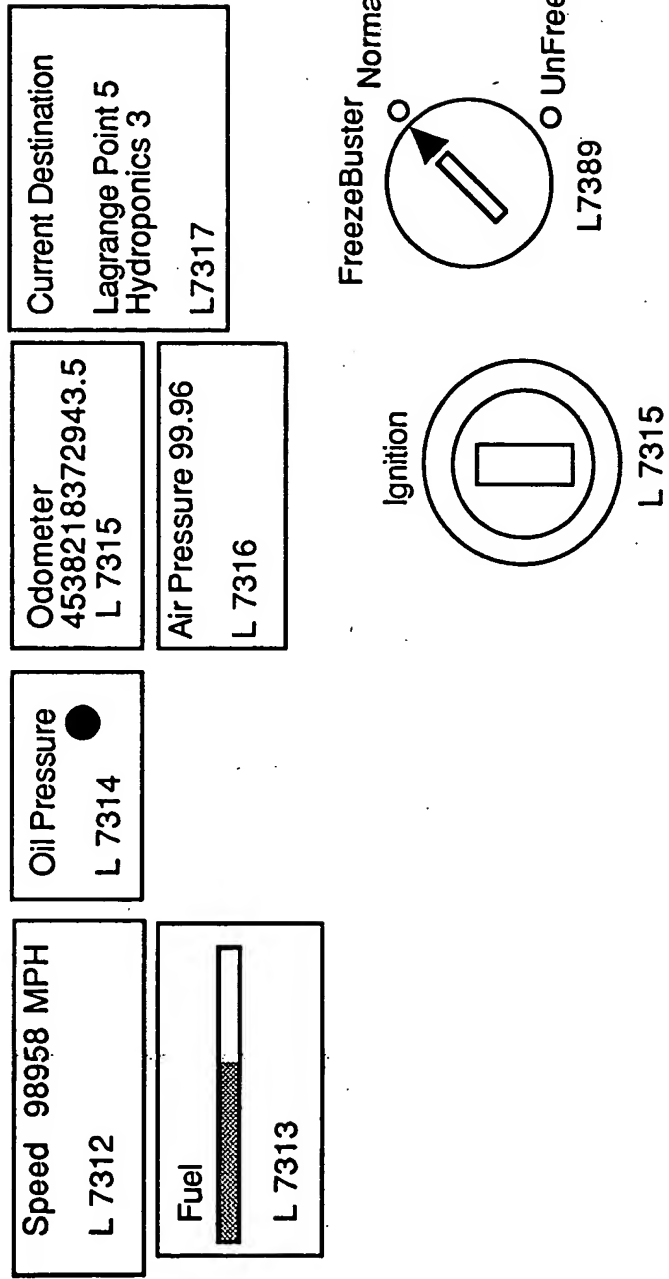


Figure L 73MU Sheet 25 of 29

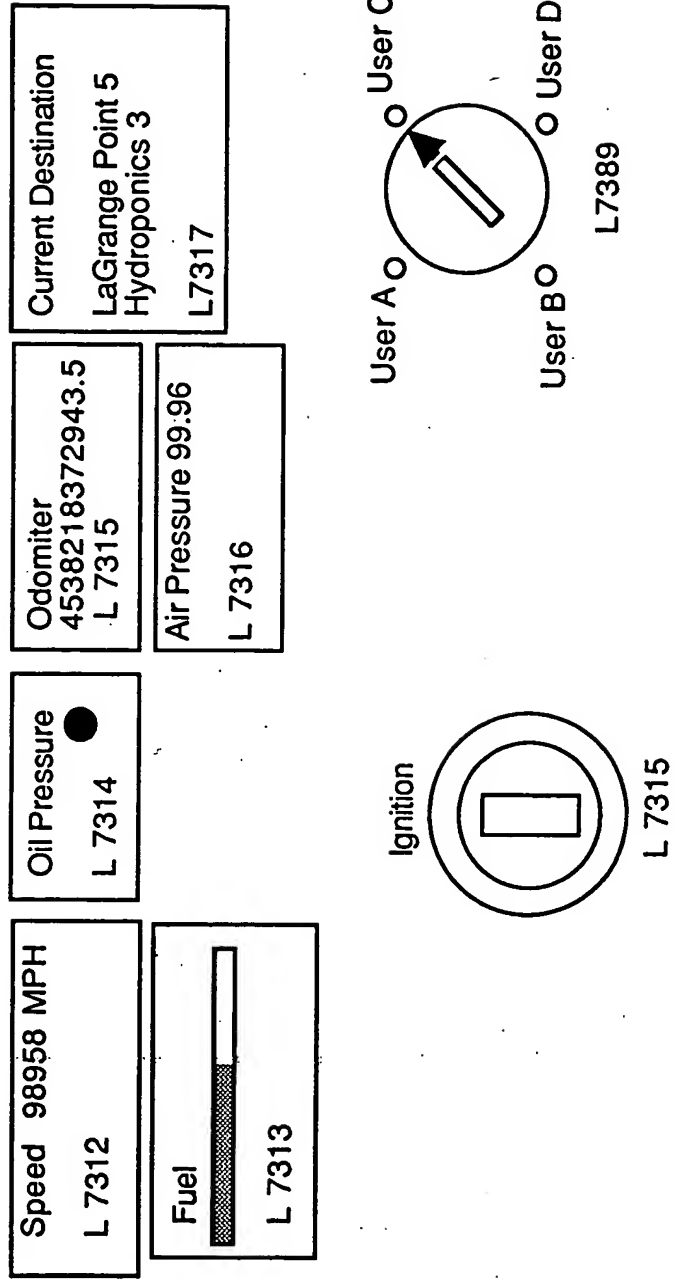


Figure L 73NL Sheet 6 of 9

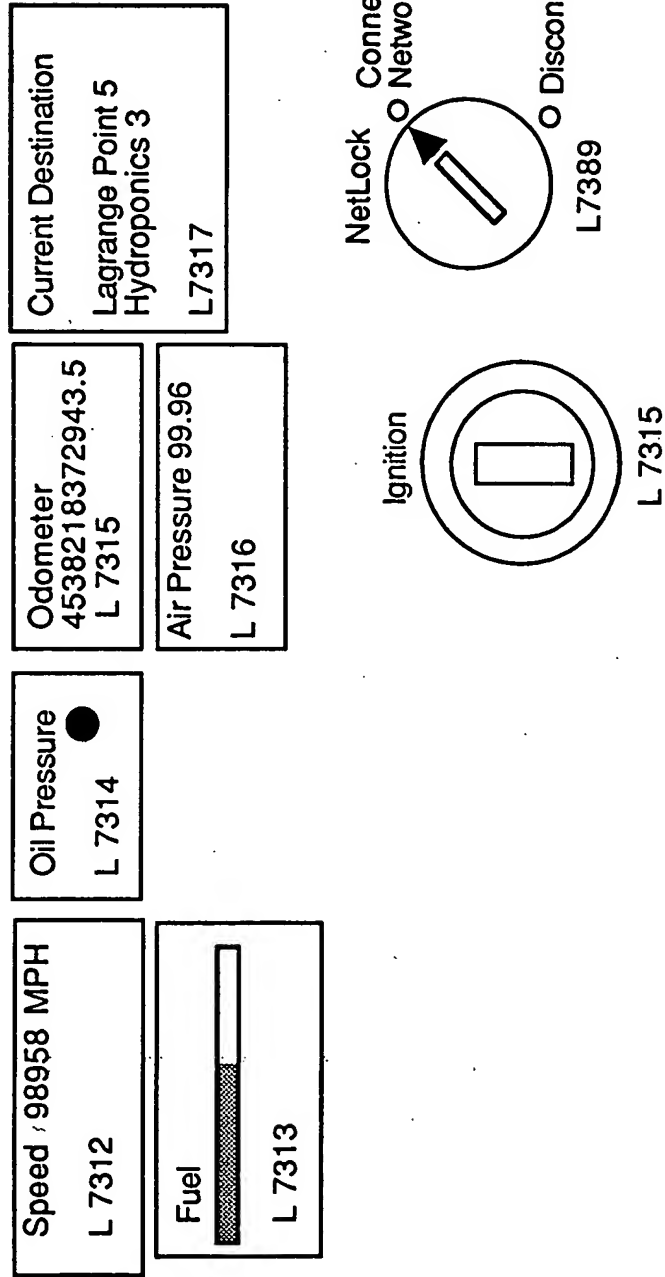
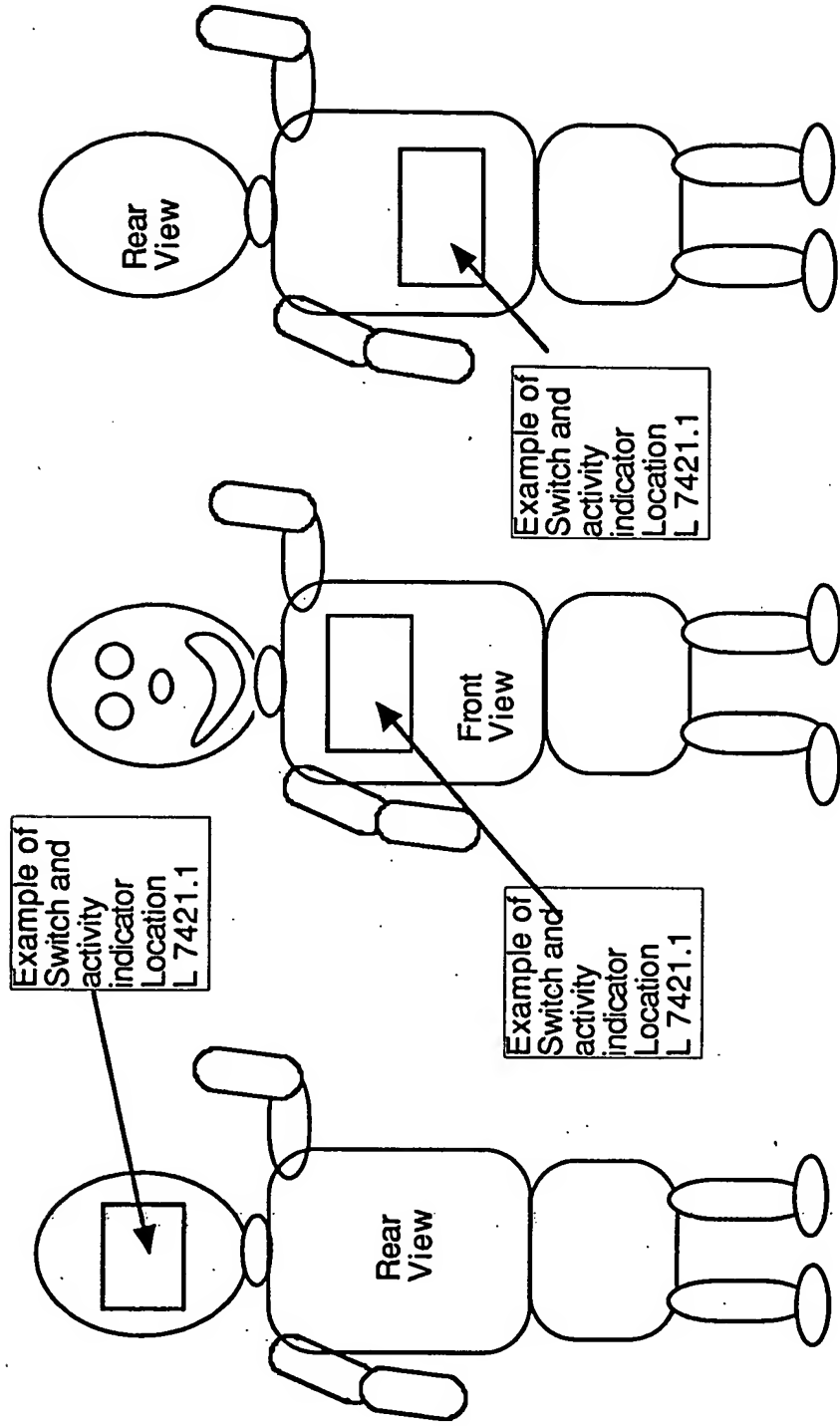
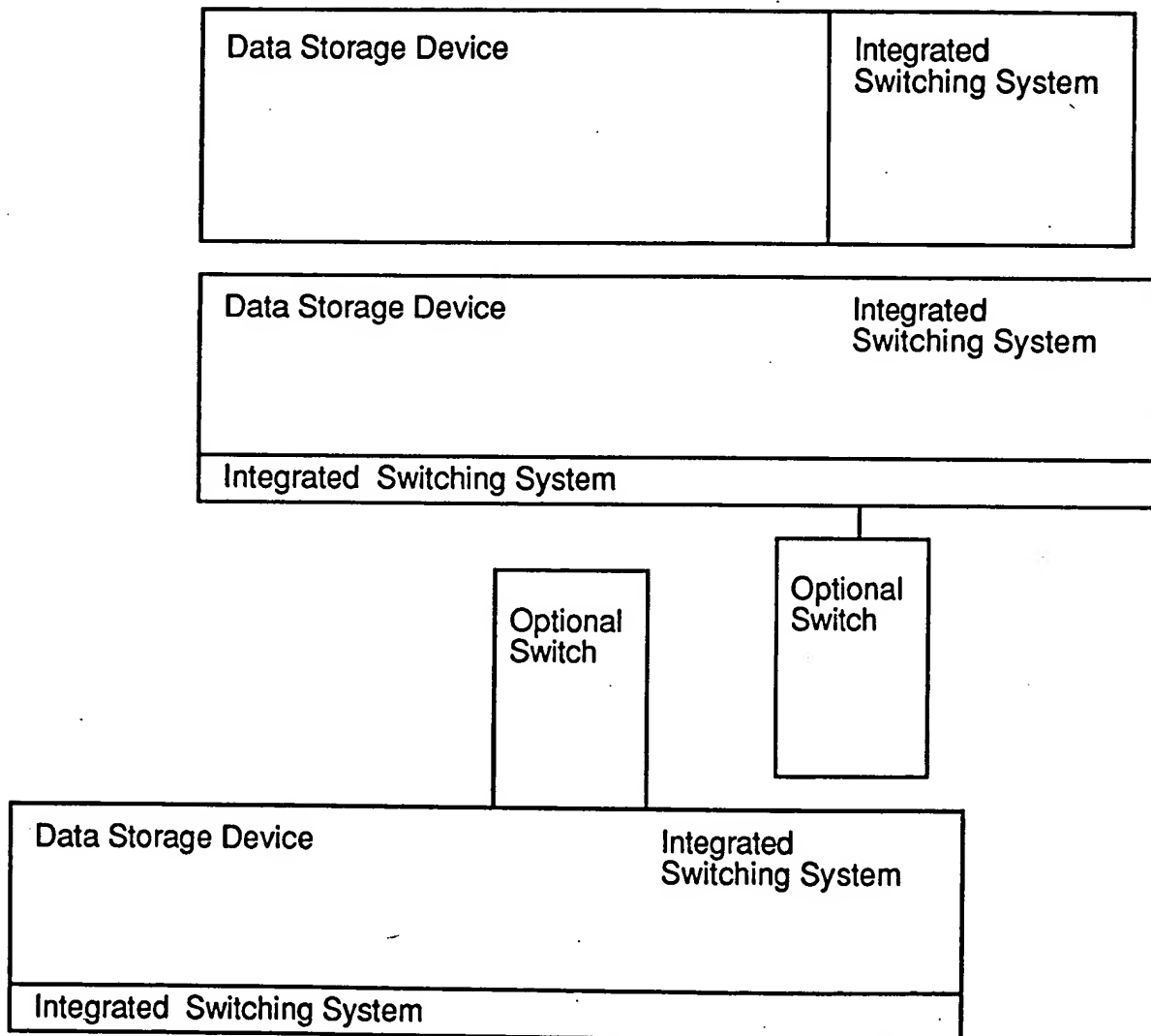


Figure L 74

Robotic Device

Sheet 15 of 15





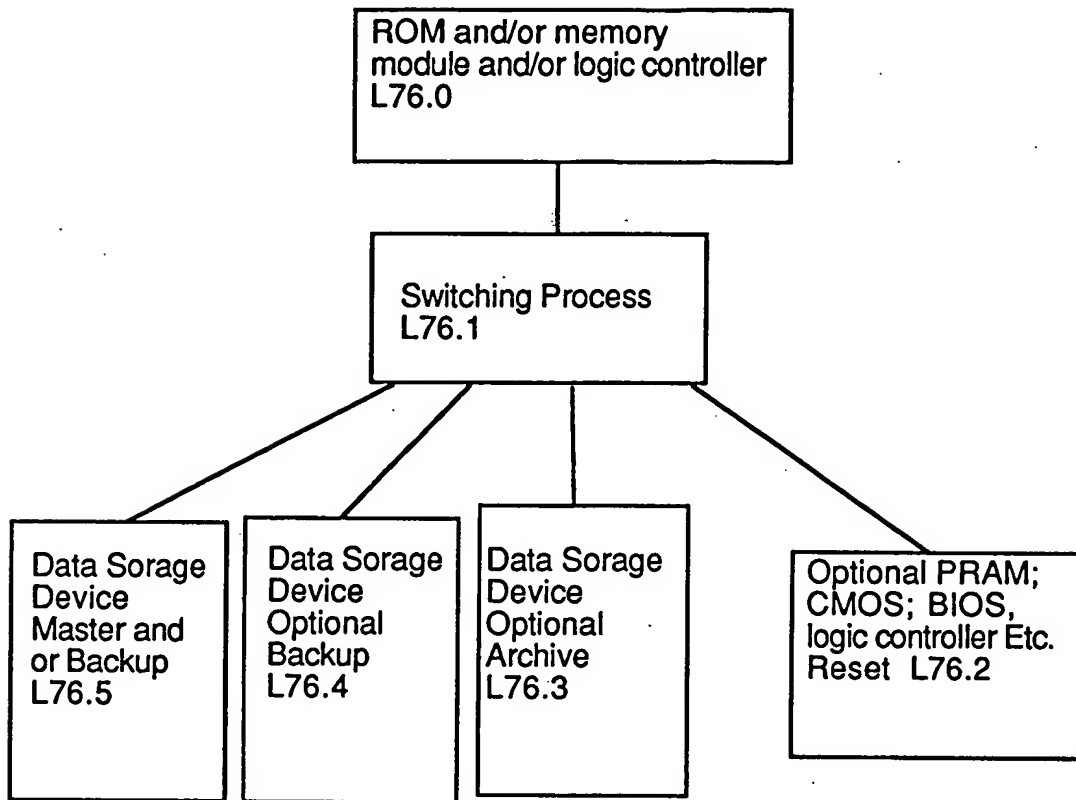




Figure L76.1 Another ROM

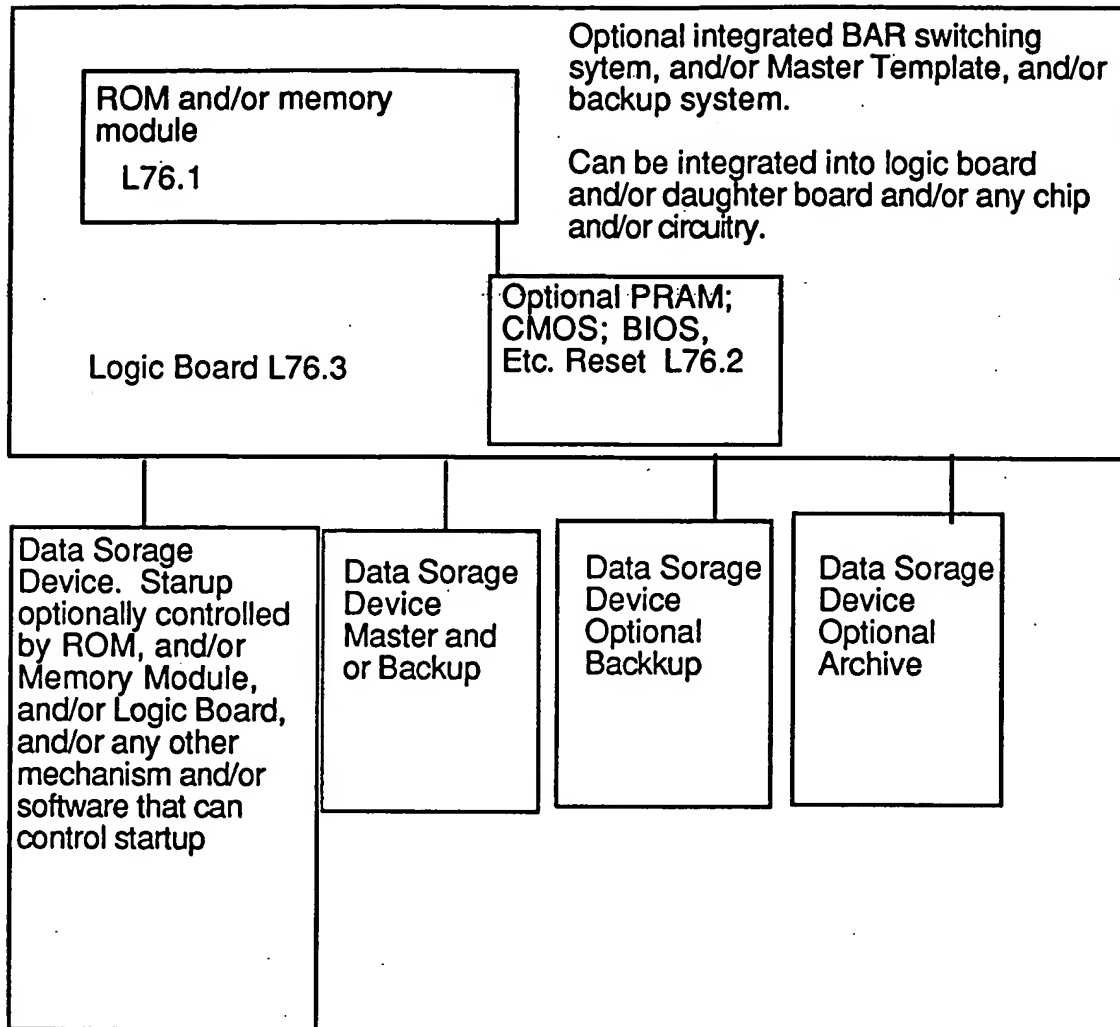


Figure L76CD

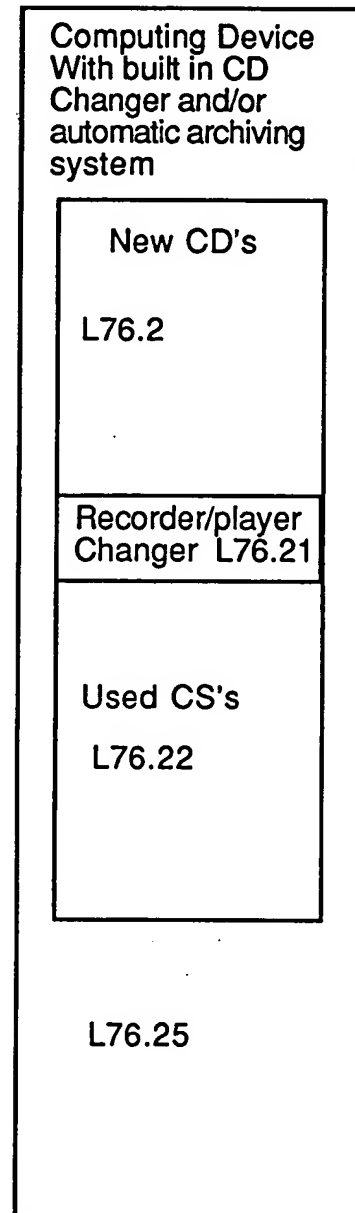
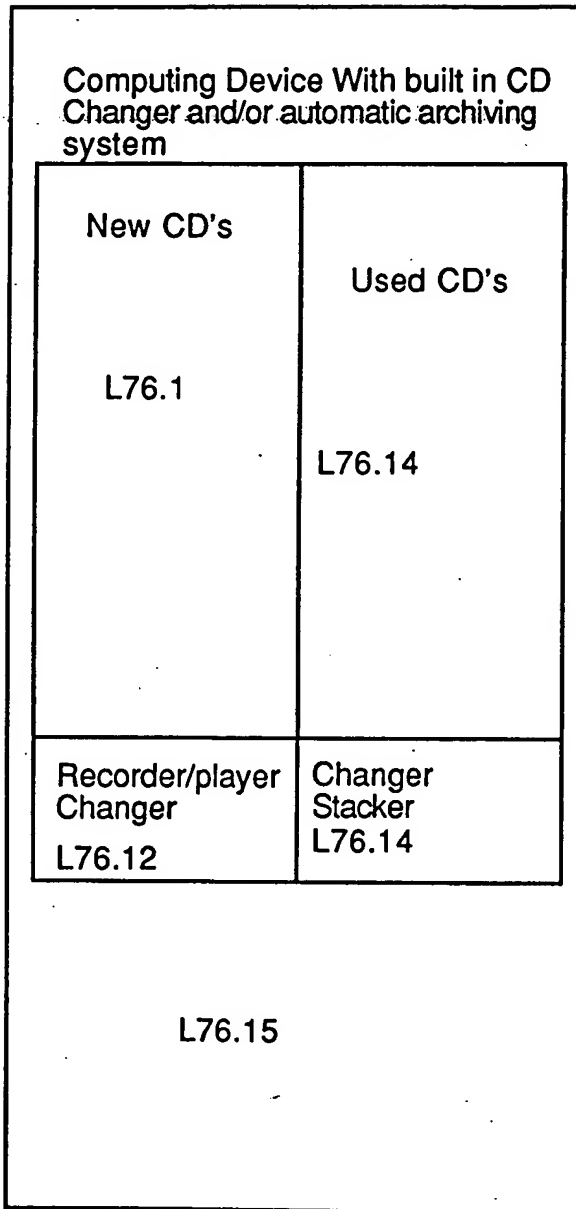
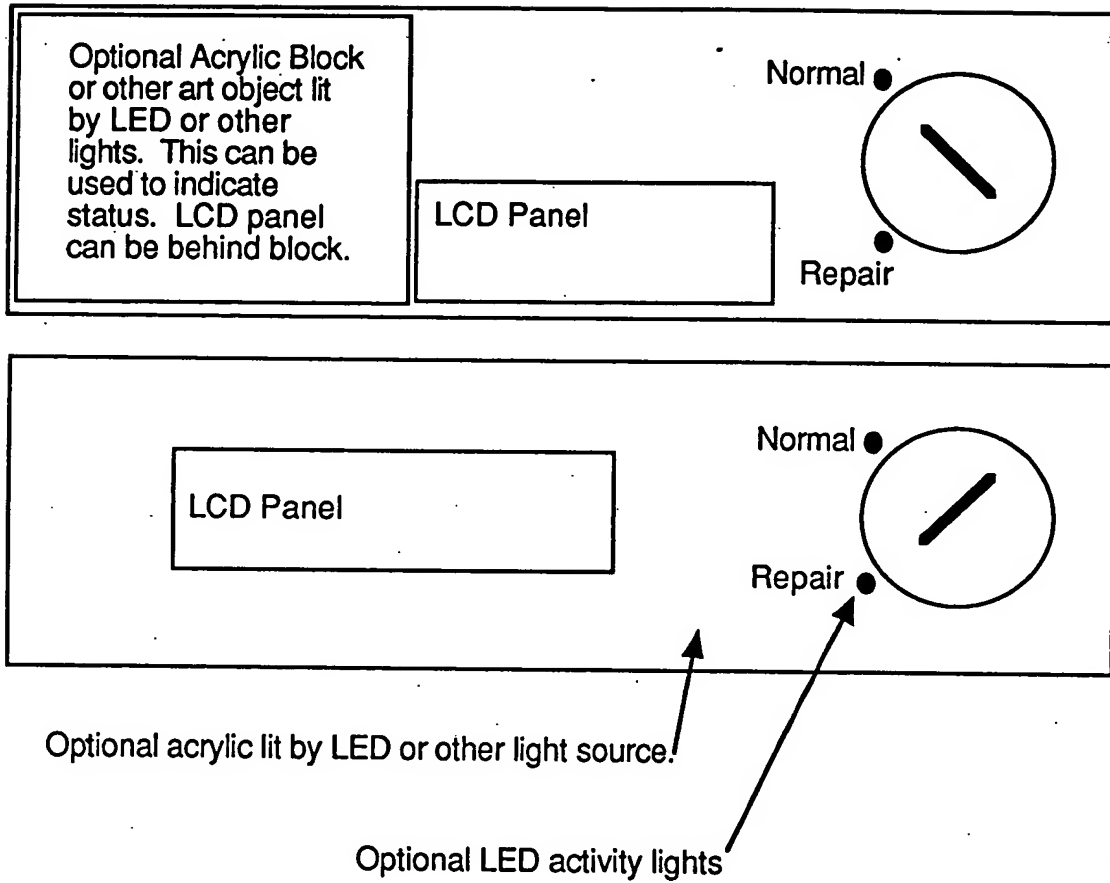
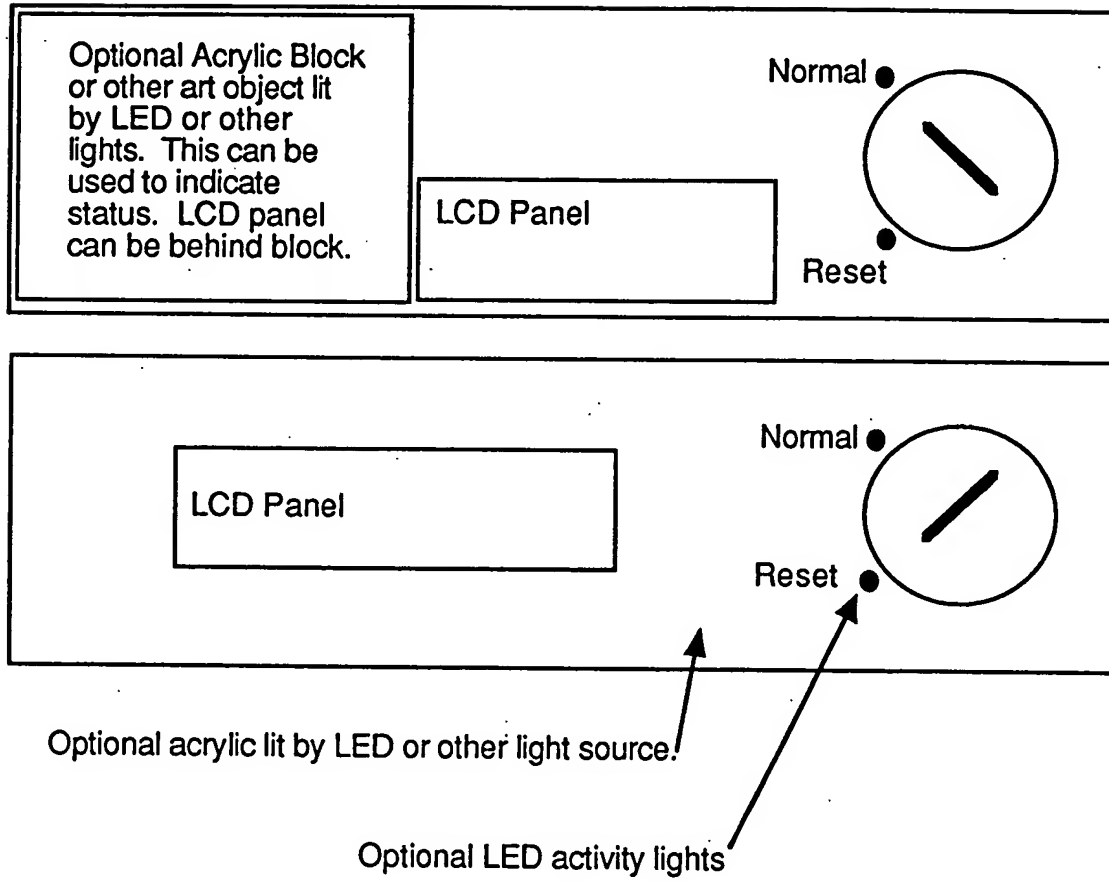
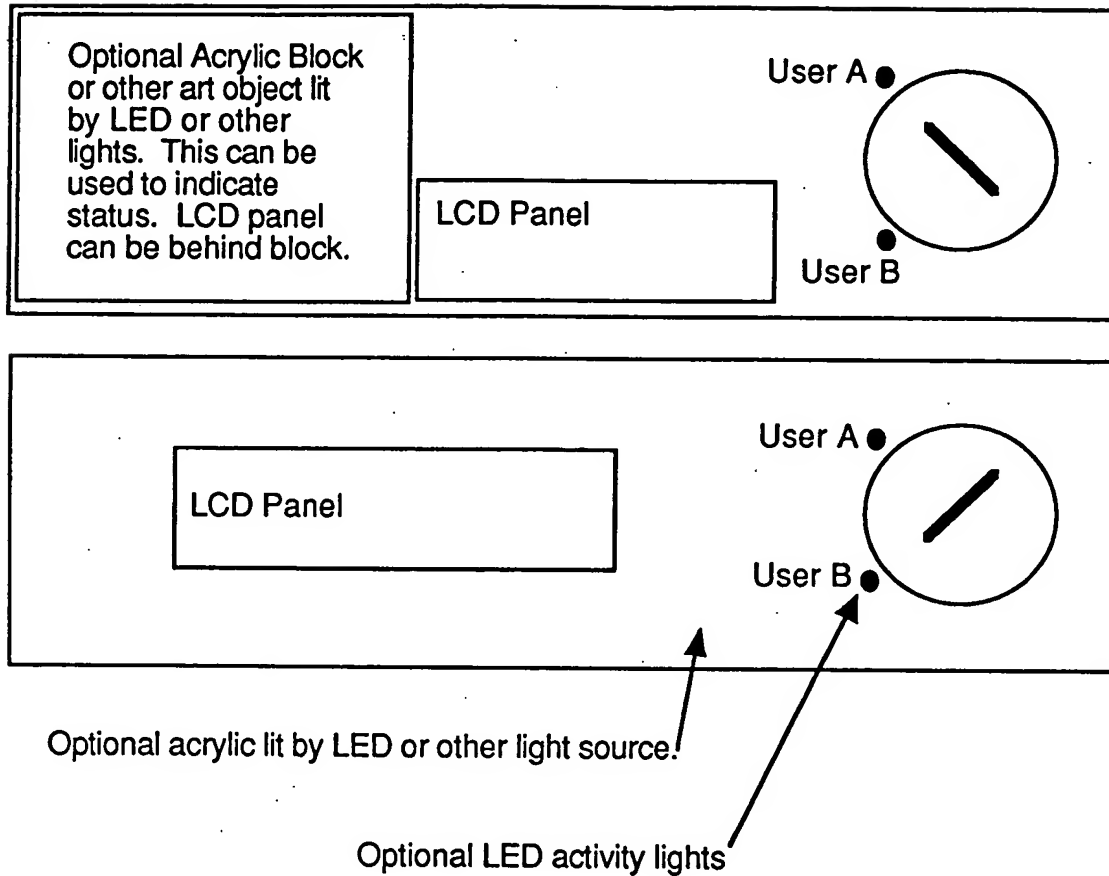
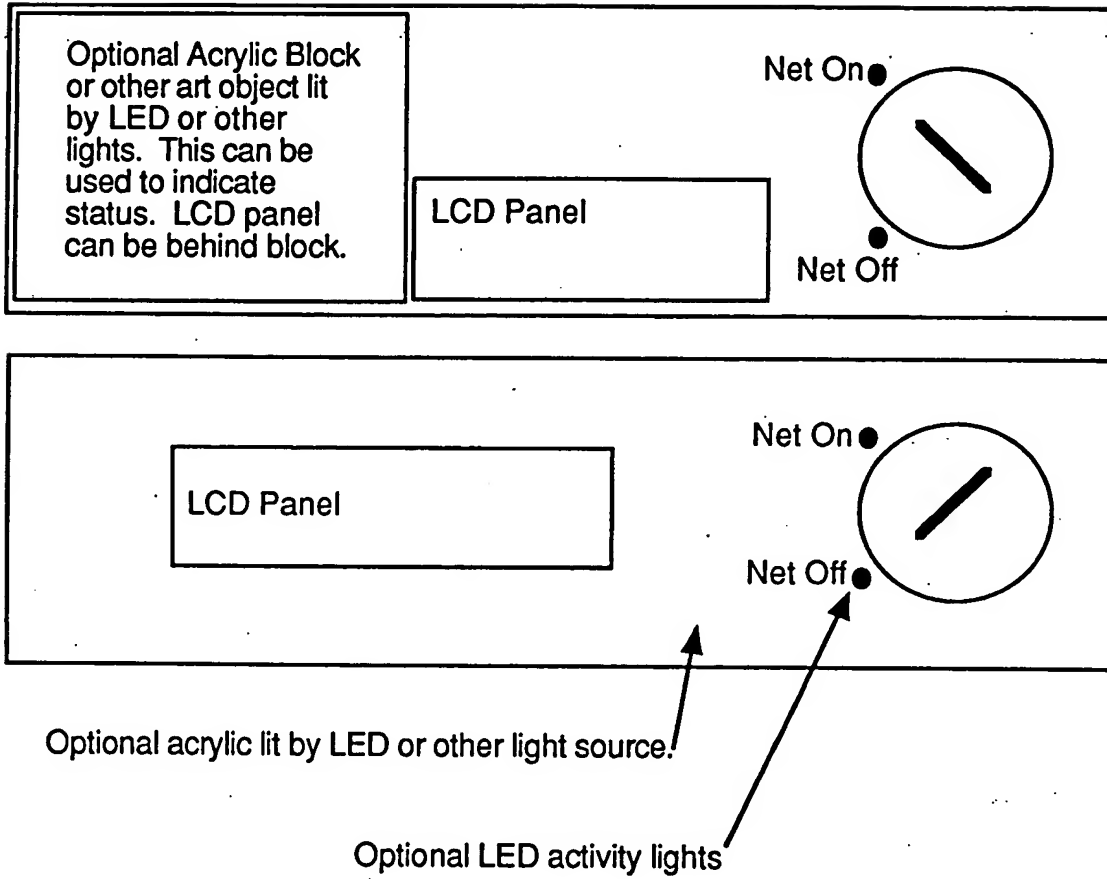


Figure L81









## Sheet 29 of 29

Figure L83 Examples of optional LCD screen dialog.

Please Wait. Repair In Progress.

Please shut down computer.

Please Wait.

Please Restart Computer.

In addition to using an LCD screen, or in Lieu of using an LCD screen, dialog can be written directly to monitor, and/or communicated by other means of communication such as speech.

## Sheet 29 of 29

**Figure L83MU** Examples of optional LCD screen dialog.

Please Wait. Switching In Progress

Please shut down computer.

Please Wait.

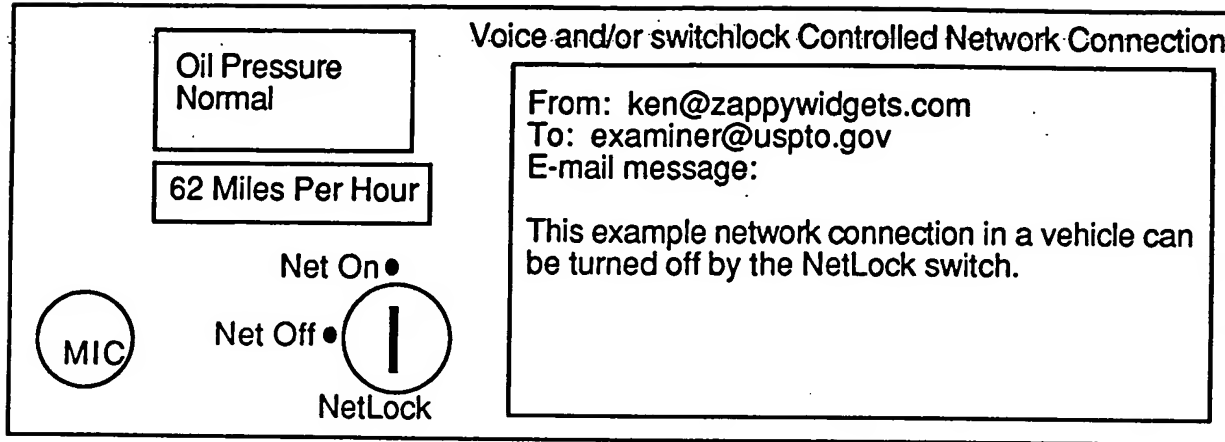
Please Restart Computer.

In addition to using an LCD screen, or in Lieu of using an LCD screen, dialog can be written directly to monitor, and/or communicated by other means of communication such as speech.



Page 2 of 9

Figure L84



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